JOURNAL

American Water Works Association

Vol. 40, No. 12 December 1948

Two Parts—Part 2

CALIFORNIA STATE LIBRARY

MEMBERSHIP DIRECTORY

Committees

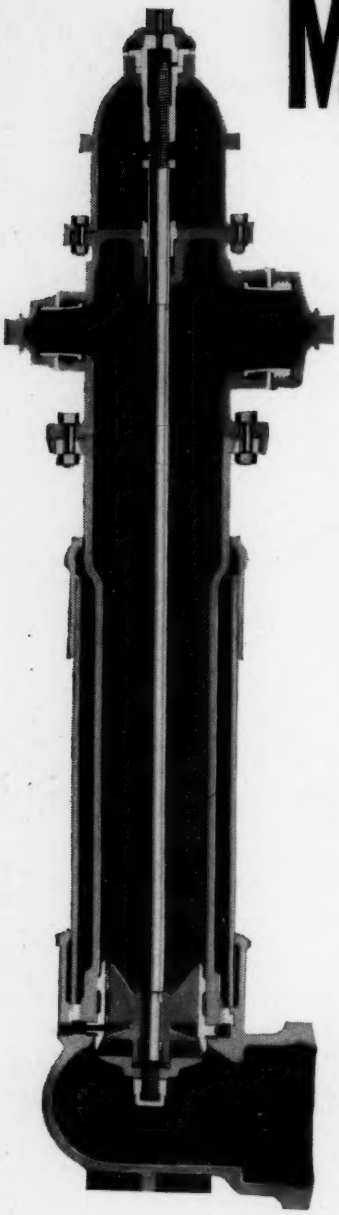
Constitution and By-Laws

The Water Supply Library

Buyers' Guide

American Water Works Association

500 Fifth Avenue New York 18, N.Y.



MATHEWS

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Mathews Hydrants are among the few mechanisms that perform as unerringly on *duty* as on *paper*. In fact, some of the first Mathews, put to work 'way back in the past century, are still serving—and serving well.

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Barrel contains all working parts, and is removable • A modern barrel makes the oldest Mathews good as new • Completely revolving head • Operating thread untouched by water—proof against rust and deposits • Revolving nut shielded against rain, dust, dirt • Frostproof • Threads proof against stripping • Only the operating thread to oil • True compression-type main valve • Drain valve positive, automatic • Tough, strong, elastic protection case of "Sand-Spun" cast iron

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MADE BY R. D. WOOD COMPANY

Public Ledger Bldg., Independence Square, Philadelphia 5, Pa.

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AMERICAN WATER WORKS ASSOCIATION

1948
MEMBERSHIP DIRECTORY

Advertising space in the Directory is made available only to individuals and firms holding membership in the A.W.W.A.

AMERICAN WATER WORKS ASSOCIATION
500 Fifth Avenue New York 18, N.Y.

This Directory is not for sale. It is distributed to members of all grades for their use as members of the Association and is not to be placed in the hands of any non-member to be used as the basis of personal or mail promotion or solicitation.

Officers of the Association and its Sections or Divisions may obtain addressed labels from the membership list without charge if the application for such list is made in writing by the person requesting it and the use to which the name list is to be put is clearly stated and shown to be in conformance with the conditions laid down in the paragraph above.

Any member of the Association may purchase a set of addressed labels or cards by depositing with the Secretary an amount designated by him to cover labor and material, and by recording the exact use to be made of the list. If the designated use to which the list is to be put is not in accord with the intent of the first paragraph herein, the Secretary will not make the list available to the applicant.

The membership list has been corrected through October 1, 1948. To keep it current, a record of changes in membership and of changes in addresses and titles of members will be published in each issue of the JOURNAL. Members can help keep this record accurate by forwarding such information promptly to Association headquarters.

The next issue of this Directory will be published in 1950.

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American Water Works Association

1948 MEMBERSHIP DIRECTORY

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All correspondence on the Membership Directory should be addressed to

Harry E. Jordan, Secretary—500 Fifth Avenue, New York 18, N.Y.

ERIC F. JOHNSON, *Editor* — LAWRENCE FARBER, *Associate Editor*

DANIEL N. FISCHEL, *Managing Editor* — ELIZABETH P. MCSHERRY, *Associate Editor*

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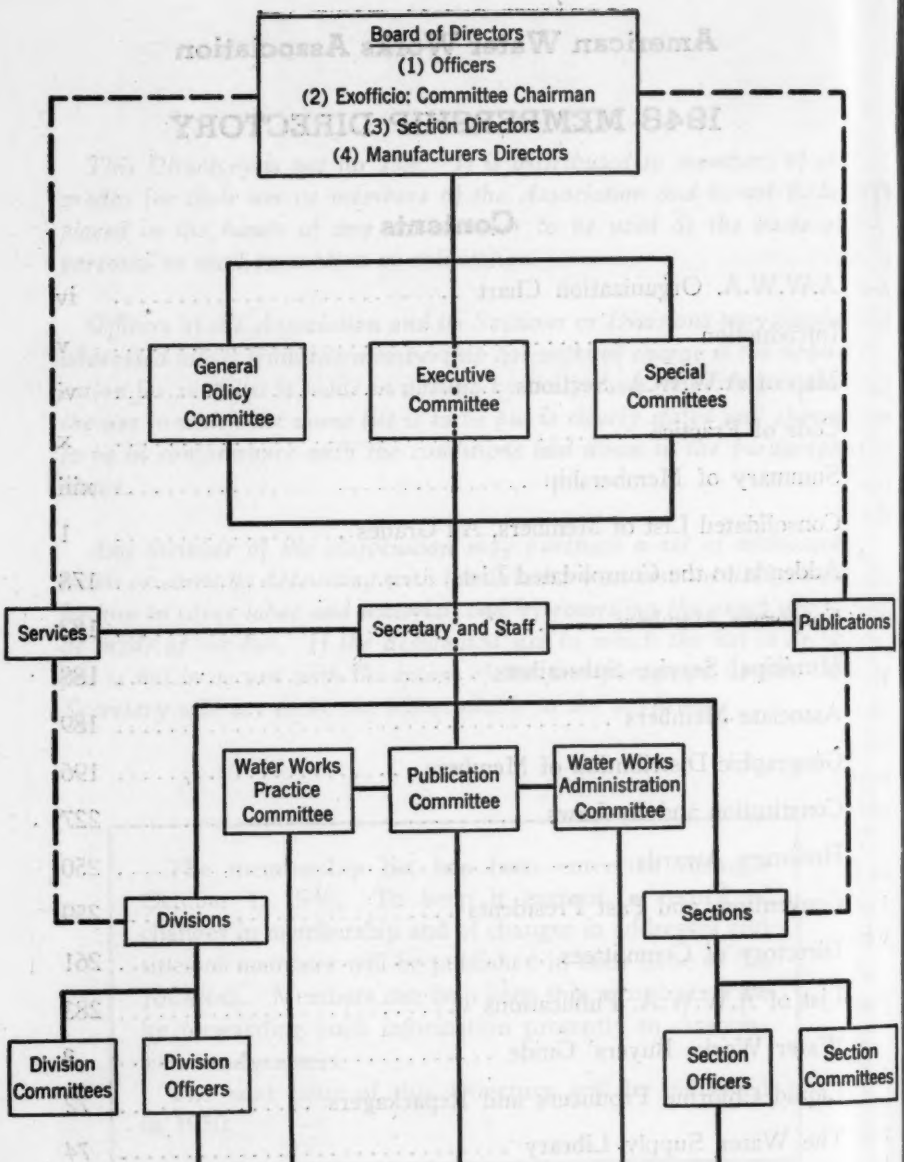


A.W.W.A. Organization Chart

INTRODUCTION

THE American Water Works Association was organized in 1881 to "advance the knowledge of the design, construction, operation and management of water works." Its activities in part are developed through regional or state Sections, in part through general Divisions, in part through technical committees and in part through its monthly JOURNAL.

There are at present 30 regional or state Sections. The largest ones are in California and New York. Each Section has at least one meeting each year with attendance totals ranging from 100 to more than 1,000 persons interested in the field. Papers are presented; round table discussions are held; tests are made; exhibits frequently are available—all designed to improve water works design and management in the Section area.

There are three professional Divisions of the Association: Management, Water Resources and Water Purification. The programs at the Annual Conferences of the Association are built around the activities of these Divisions.

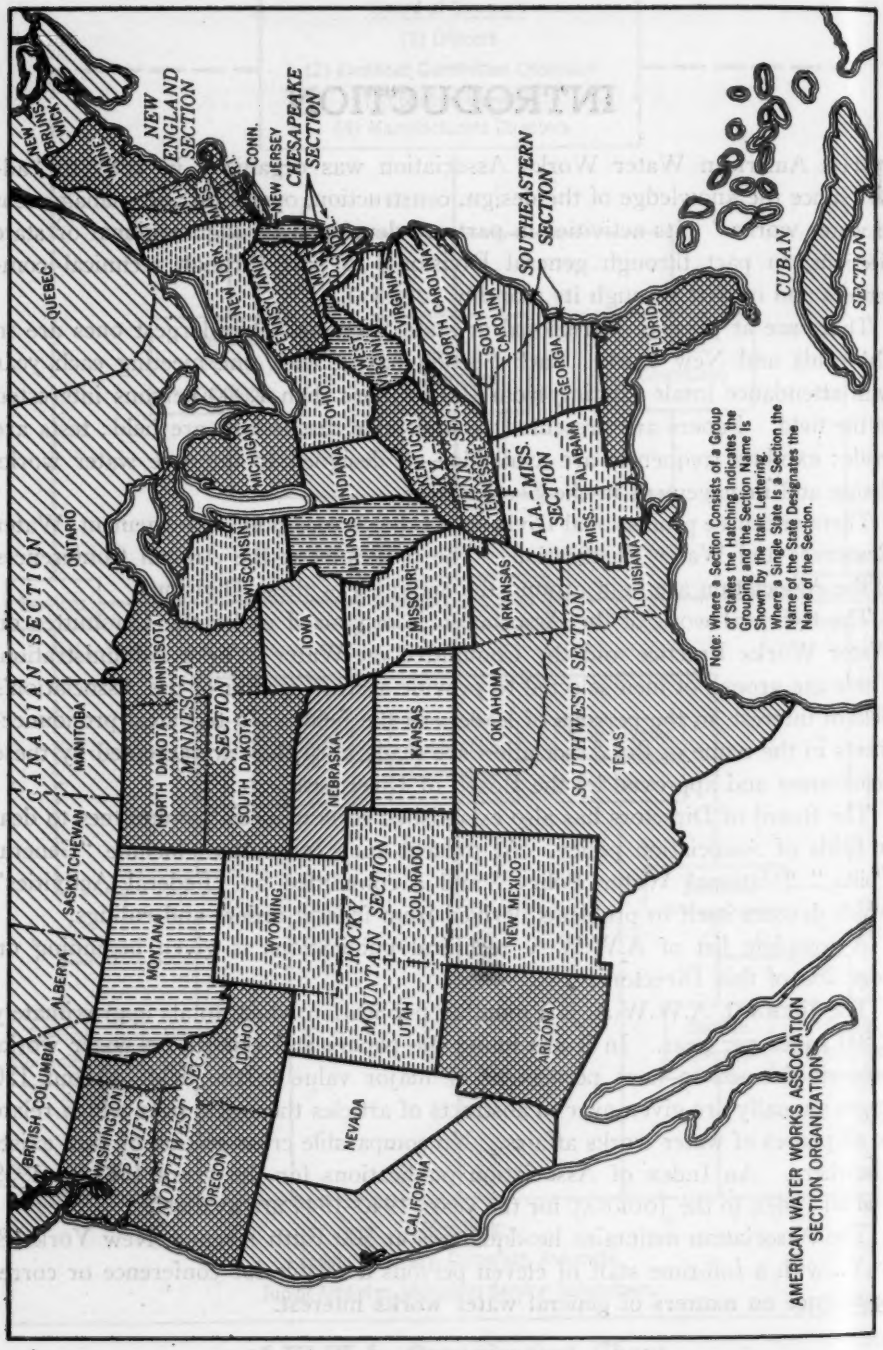
The technical work of the Association is organized under the Committee on Water Works Practice and the Committee on Water Works Administration. These are groups of men selected to provide a cross section of the Association's field of interest, in the persons of leaders in the field. No technical pronouncements in the name of the Association are made until they are accepted by these committees and approved by the Board of Directors.

The Board of Directors has also established certain special committees to deal in fields of Association policy. At present such committees include "General Policy," "National Water Policy," and a committee on "Federal Activities" which devotes itself to problems derived from federal orders and rulings.

A complete list of A.W.W.A. technical publications is given beginning on page 283 of this Directory.

The JOURNAL A.W.W.A. is a monthly publication which totals approximately 2,500 pages per year. In it are found the papers and reports on water works subjects deemed to have permanent or major value to the field. About 150 pages annually are given over to abstracts of articles the world over which relate to all phases of water works affairs. No comparable cross-section of data exists elsewhere. An Index of Association publications for the years 1881 to 1939 and an Index to the JOURNAL for the years 1940–1944 are available.

The Association maintains headquarters at 500 Fifth Avenue, New York 18, N.Y., with a full-time staff of eleven persons available for conference or correspondence on matters of general water works interest.



A.W.W.A. Sections

LOCAL SECTIONS

There have been established 30 Local Sections, under the provisions of Article VII of the Association's By-Laws. Each of these Sections consists of the Association members who reside in the territory embraced by that Section. A map of the Sections appears on page vi, and the number of members in each is given in pages xiv and xv.

Each Local Section has its own officers, as listed each month in the JOURNAL. These officers are all selected by the Section itself under the provisions of the By-Laws of that Section. One of these officers is a member selected to represent his Section on the Board of Directors of the American Water Works Association, in accordance with Articles III and IV of the Association's Constitution.

The Local Sections each hold one or more meetings during the year, their practice in this respect, as well as the conduct of all of their business, being adapted to meet best the needs of their respective territories. Papers presented at the Local Section meetings are drawn upon for publication in the JOURNAL of the Association, as are also the papers presented at the Annual Convention of the Association.

Many of the Association's Sections hold each year one or more water works schools (conferences or in-service training institutes) and several co-operate in the procedure within their states which licenses the operators of water treatment plants. This is done in order to insure to the various communities as permanent and well-trained personnel as can be provided.

Each member and affiliate of the A.W.W.A. is automatically a member of the Section in which territory he resides, and there are no membership dues other than the regular Association dues, each Section receiving funds from the Association for its routine activities.

NATIONAL DIVISIONS

In accordance with the provisions of Article VII of the Association's By-Laws, the Board of Directors has established three National Divisions consisting of groups of the members who are particularly interested in certain branches of the water supply industry.

Water Purification Division: This Division was organized originally as the Chemical and Bacteriological Section in 1913. The present name was adopted in 1925. The objects of this Division in particular are: the advancement of the science and art of water purification; the stimulation of research in the physical, chemical and bacteriological fields, especially on the causes and effects of pollution and methods of purification; and the promotion of progress in the design, construction and operation of water purification works.

Water Works Management Division: By the organization in 1948 of the Water Works Management Division in 1948, the previous Plant Management and Operation Division, established in 1924, and the Finance and Accounting Division, established in 1929, were terminated. The new Division combines the functions of both, taking as its specific fields of interest the financing, management, commercial practices and accounting procedures of water works. Additions to knowledge and the improvement of practices within these fields are the objectives of the Division.

Water Resources Division. The conservation and orderly development of both surface and ground waters, and the control of water pollution as it affects the economics of water supply, are the fields of interest of the Water Resources Division. The Division was organized in 1948.

Any Active or Junior Member or Affiliate of the American Water Works Association may become a member of any one or more of these Divisions upon request, and with no further dues. The principal activities of the Divisions take place during the Annual Convention of the Association, at which time a number of the technical sessions are held under the auspices of the Divisions. Each of such meetings is presided over by the officers of the Division concerned and the subjects of discussion are those in which the Division is interested. The Divisions may also appoint committees for study, research and report upon subjects of interest to them. These committees act under the general supervision of the Association's standing Committees on Water Works Practice or Water Works Administration, if they have as their object the development of standards, specifications or manuals. If the committees are set up for the compilation of related facts and routine practices within the field of interest of the Division, the Committees on Water Works Practice and Water Works Administration exercise no supervision.

Figure it out for yourself—

How many weeks or months annually does your WATER WORKS WORK *for nothing?*

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WITHOUT PAY

If you get paid for only

95% of water pumped	19 days	NO PAY
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80% of water pumped	2 mos. 15 days	NO PAY
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70% of water pumped	3 mos. 22 days	NO PAY
65% of water pumped	4 mos. 11 days	NO PAY
60% of water pumped	5 months	NO PAY
55% of water pumped	5 mos. 19 days	NO PAY
50% of water pumped	6 months	NO PAY

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Don't work your water works "for free"—consult your Trident Representative about it today.

189

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AMERICAN WATER WORKS ASSOCIATION

Code of Practice

As one engaged in providing public water supply for the people whom I serve and as a member of the American Water Works Association, I hold to these principles:

1 To the best of my ability I shall conduct all operations under my control in such manner as will, as far as the means made available permit, provide adequate water service, preserve the public health and furnish protection to property.

2 I shall consider that in performing this service I am required at all times to act within the bounds of local, state and national law and within the field of orderly procedure among free men.

3 I shall, therefore, extend my own fund of technical and professional information to the end that the procedures which I advocate are based upon well grounded information.

4 In every legitimate manner, I shall encourage the construction of water works structures, the use of materials, as well as management practices and operating procedures, which are economically sound and in the public interest.

5 I shall at all times discourage exaggerated, unfair or untrue statements concerning any operation or material connected with public water supply. In conformance with this principle, I shall endeavor to assist my associates as well as the public in obtaining a correct understanding of water works operations and materials.

6 I shall not accept any remuneration or benefit from any interested party other than my employer or my client. Neither shall I accept any collateral employment which might in any degree adversely affect my performance of my duties or obligations to my regular employer or client.

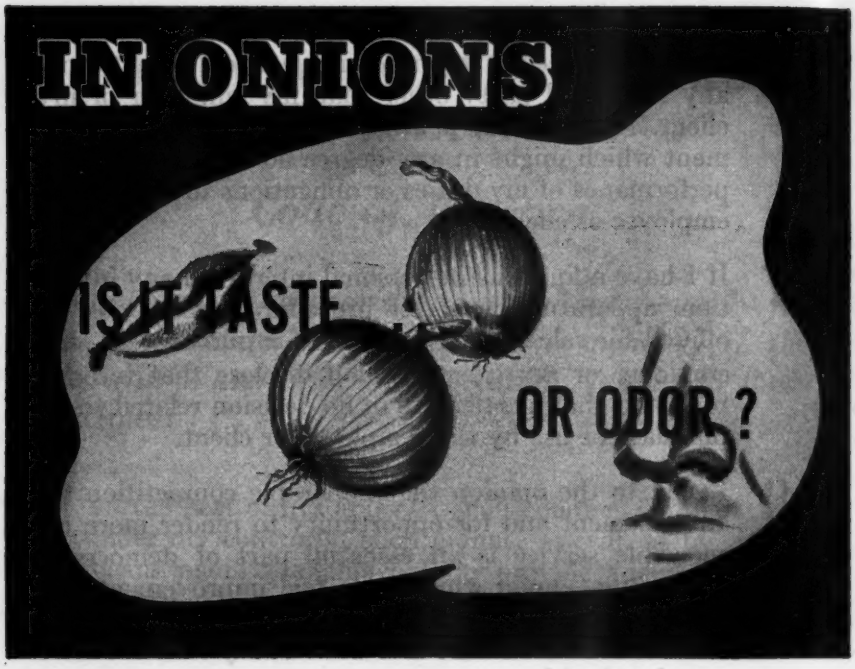
7 If I have a financial or personal interest in any invention, apparatus, device or procedure, which may be offered for sale to, or considered for purchase by, my employer or my client, I shall disclose that interest fully and shall participate in no decision related to its purchase or use by that employer or client.

8 I hold to the opinion that honorable competition for advancement and for opportunity to render more responsible service is an essential part of democratic civilization—upon which rests real improvement and progress. But I shall not permit my own ambition for advancement to cause me to act unfairly toward others associated with me.

9 I shall by all legitimate and reasonable means strive to improve the public appreciation of the services rendered by myself and my associates—to the end that employment in the public water supply field is recognized by all as a legitimate and lifetime career for well trained and industrious citizens.

10 I shall not, as an incident related to discussions of rates of pay or conditions of employment, suspend or fail to perform the duties entrusted to me, nor permit water service to fail the citizens who depend on me. I shall, having associated myself with public water supply operations, hold the public interest superior to my personal interests and I shall by my acts and by my leadership see to it that water service is maintained under both normal and emergency conditions.

In short, I understand my obligations to my community and having accepted responsibilities upon which depend public health and safety, I shall not fail. . . . . . .



Which side of the fence are *you* on?

Many psychologists and physiologists maintain that there are only four fundamental tastes: salty, sweet, bitter, sour. Everything else, they say, is a matter of 'odor'.

However you may feel about this question, waterworks operators are agreed that Aqua Nuchar Activated Carbon removes unpleasant tastes and odors from raw water supplies.

Aqua Nuchar's secret is as old as nature itself. Aqua Nuchar eliminates these unpalatable tastes and odors by the principle of *ad*sorption.

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SUMMARY OF MEMBERSHIP

September 1, 1948

Honorary Members	29
Active Members	6,012
Corporate Members	639
Associate Members	291
Junior Members	30
Affiliates	65
Municipal Service Subscribers	30
Total	**7,096**

The Consolidated List of Members, which begins on page 1 following, includes the members of all grades—Honorary, Active, Corporate, Associate and Junior—and also the Affiliates and Municipal Service Subscribers. The listing is correct as of September 1, 1948, including all those whose applications were received up to that date.

A supplementary list of new members, losses, changes in membership status and changes in address from September 1 to October 1, 1948, appears beginning on page 178.

For separate listings of:

Honorary Members, see page 229
Corporate Members, see page 182
Associate Members, see page 189

All members are listed geographically beginning on page 196.

The date when the member first joined the Association is cited in each listing. Active Members are designated only by the date, for example: (July '39). Corporate, Associate and Junior Members are shown in the following manner: (Corp. M. July '39), (Assoc. M. July '39), (Jr. M. July '39). Affiliates and Municipal Service Subscribers are shown by: (Affil. July '39) and (Mun. Sv. Sub. July '39).

Offices held by members are cited according to the years of the conventions during which the members served. Awards and Honorary Memberships are shown by the year of the convention at which they were presented. Members enrolled in one or more of the Association's three Divisions—Water Works Management Division, Water Purification Division and Water Resources Division—are designated by *M, P* and *R,* respectively.

MEMBERSHIP BY SECTIONS

As of September 1, 1948

Total membership figures for each section are listed after the section name in bold-face type. Regional breakdowns within sections are in italic type and follow the section summary.

Section	*Active and Honorary*	*Corp.*	*Assoc.*	*Junior*	*Affil.*	*Total*
Alabama-Mississippi	**107**	**9**	**4**	**—**	**1**	**121**
Alabama	*85*	*7*	*4*	*—*	*1*	*97*
Mississippi	*22*	*2*	*—*	*—*	*—*	*24*
Arizona	**39**	**3**	**—**	**—**	**—**	**42**
California	**642**	**57**	**39**	**—**	**—**	**738**
California	*638*	*56*	*39*	*—*	*—*	*733*
*Nevada**	*4*	*1*	*—*	*—*	*—*	*5*
Canadian	**377**	**78**	**6**	**1**	**1**	**463**
Alberta	*13*	*1*	*—*	*—*	*—*	*14*
British Columbia	*30*	*4*	*3*	*—*	*1*	*38*
Manitoba	*11*	*2*	*—*	*—*	*—*	*13*
New Brunswick	*6*	*1*	*—*	*—*	*—*	*7*
Newfoundland	*2*	*—*	*—*	*—*	*—*	*2*
Nova Scotia	*19*	*2*	*—*	*—*	*—*	*21*
Ontario	*232*	*65*	*2*	*—*	*—*	*299*
Prince Edward Island	*1*	*—*	*—*	*—*	*—*	*1*
Quebec	*53*	*2*	*1*	*—*	*—*	*56*
Saskatchewan	*10*	*1*	*—*	*1*	*—*	*12*
Chesapeake	**181**	**6**	**3**	**1**	**—**	**191**
Delaware	*44*	*—*	*—*	*—*	*—*	*44*
District of Columbia	*53*	*1*	*—*	*—*	*—*	*54*
Maryland	*84*	*5*	*3*	*1*	*—*	*93*
Cuba	**32**	**1**	**—**	**1**	**—**	**34**
Florida	**163**	**10**	**4**	**1**	**—**	**178**
Illinois	**353**	**20**	**37**	**2**	**1**	**413**
Indiana	**173**	**22**	**7**	**1**	**1**	**204**
Iowa	**90**	**10**	**2**	**1**	**—**	**103**
Kansas	**116**	**10**	**—**	**—**	**—**	**126**
Kentucky-Tennessee	**120**	**11**	**3**	**2**	**2**	**138**
Kentucky	*48*	*6*	*2*	*1*	*2*	*59*
Tennessee	*72*	*5*	*1*	*1*	*—*	*79*
Michigan	**203**	**20**	**4**	**—**	**5**	**232**
Minnesota	**139**	**22**	**7**	**3**	**1**	**172**
Minnesota	*90*	*19*	*7*	*3*	*1*	*120*
North Dakota	*29*	*—*	*—*	*—*	*—*	*29*
South Dakota	*20*	*3*	*—*	*—*	*—*	*23*
Missouri	**143**	**5**	**5**	**1**	**—**	**154**
Montana	**57**	**6**	**—**	**—**	**2**	**65**

MEMBERSHIP BY SECTIONS—*Concluded*

Section	*Active and Honorary*	*Corp.*	*Assoc.*	*Junior*	*Affil.*	*Total*
Nebraska	**40**	**4**	**1**	**—**	**—**	**45**
New England	**146**	**11**	**14**	**3**	**1**	**175**
Connecticut	*38*	*4*	*4*	—	—	*46*
Maine	*15*	*2*	—	—	—	*17*
Massachusetts	*74*	*2*	*7*	*3*	*1*	*87*
New Hampshire	*5*	*1*	—	—	—	*6*
Rhode Island	*10*	*2*	*3*	—	—	*15*
Vermont	*4*	—	—	—	—	*4*
New Jersey	**275**	**22**	**19**	**—**	**5**	**321**
New York	**487**	**94†**	**54**	**1**	**7**	**643**
North Carolina	**133**	**31**	**2**	**—**	**3**	**169**
Ohio	**334**	**8**	**18**	**—**	**4**	**364**
Pacific Northwest	**232**	**28**	**4**	**2**	**3**	**269**
Idaho	*14*	*7*	—	—	—	*21*
Oregon	*78*	*11*	—	*2*	*2*	*93*
Washington	*140*	*10*	*4*	—	*1*	*155*
Pennsylvania	**253**	**22**	**29**	**—**	**2**	**306**
Rocky Mountain	**103**	**19**	**2**	**—**	**—**	**124**
Colorado	*67*	*8*	*1*	—	—	*76*
New Mexico	*13*	*9*	—	—	—	*22*
Utah	*13*	*2*	*1*	—	—	*16*
Wyoming	*10*	—	—	—	—	*10*
Southeastern	**136**	**7**	**—**	**—**	**4**	**147**
Georgia	*88*	*4*	—	—	*2*	*94*
South Carolina	*48*	*3*	—	—	*2*	*53*
Southwest	**460**	**70**	**16**	**6**	**3**	**555**
Arkansas	*67*	*11*	*1*	—	*1*	*80*
Louisiana	*57*	*5*	—	*1*	—	*63*
Oklahoma	*68*	*1*	*2*	*1*	—	*72*
Texas	*268*	*53*	*13*	*4*	*2*	*340*
Virginia	**127**	**18**	**6**	**—**	**1**	**152**
West Virginia	**66**	**4‡**	**—**	**—**	**18**	**88**
Wisconsin	**116**	**20**	**5**	**—**	**—**	**141**
Other Than U.S., Canada & Cuba	**198**	**21**	**—**	**4**	**—**	**223**
Total	**6,041**	**669**	**291**	**30**	**65**	**7,096**

* Nevada is not within the territory of any section. The members here enumerated are listed under the section the members have chosen individually, in accordance with the By-Laws, Art. VII, Sec. 5.

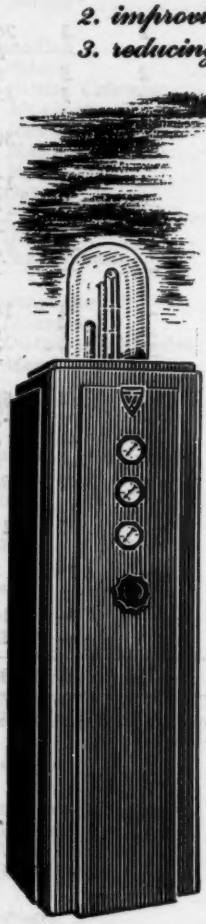
† Includes 29 Municipal Service Subscribers.

‡ Includes 1 Municipal Service Subscriber.

BREAK-POINT GIVES 3 WAY PROTECTION AT EASTERN FILTER PLANT

" ACCORDING TO STAFF MEMBERS REPORT

1. eliminating the manganese
2. improving the bacteriological record
3. reducing taste complaints"



Here's what the Assistant Superintendent and Junior Chemist of a large eastern filter plant have to say about Break-Point Chlorination:

"*** Break-point chlorination has proved successful in eliminating the manganese, improving the bacteriological record and reducing taste complaints ***"

The Break-Point process—originally applied to eliminate the manganese was so successful, that the authors continue in their report:

"*** In accomplishing these results a saving of some 22 percent in the cost of chemicals was realized ***"

Such results are typical of those you can obtain by using the Break-Point Process backed by W&T's more than thirty-five years' experience. For more information on these as well as such other Break-Point benefits as longer filter runs and iron and color removal, check with your nearest W&T Representative or write to Newark 1, New Jersey.

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CHLORINE AND CHEMICAL CONTROL EQUIPMENT
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S-31

CONSOLIDATED LIST OF MEMBERS

Members registered in the Water Works Management Division are indicated by "M"; in the Water Purification Division by "P"; and in the Water Resources Division by "R."

Aaron, W. F., Salesman, Mueller Co., Box 177, Grand Rapids, Mich. (July '48)

Abbenseth, Fred M., Gen. Mgr., Illinois Cities Water Co., 1502 Broadway, Mt. Vernon, Ill. (Oct. '47) *M*

Abbott, Carroll B., Pres., Water Works Supply Co., Monadnock Bldg., 681 Market St., San Francisco, Calif. (May '22)

Abbott, Frank A., Director of Public Works, Water Dept., City Hall, Camden, N.J. (Jan. '45) *P*

Abbott, G. H., Treas., Southbridge Water Supply Co., Southbridge, Mass. (May '12) *M*

Abell, D. S., 17 Church St., Beacon, N.Y. (Nov. '32)

Abell, E. B., Owner & Mgr., Abell Water Co., Twentynine Palms, Calif. (Apr. '42)

Abernethy, J. F., *see* Gastonia, City of

Ables, Abbott J., Supt., Water Works, Hampton, Ark. (Oct. '43) *M*

Abplanalp, C. C., Dist. Mgr., Wallace & Tiernan Co., Inc., 1229 W. Washington Blvd., Chicago 7, Ill. (Mar. '31) *P*

Abraham, Charles P., Supt. & Engr., Bureau of Water, Municipal Bldg., Lancaster, Pa. (May '30) *MP*

Abrams, Norman Hughes, Sales Repr., Badger Meter Mfg. Co., 1023 N. 34th St., Waco, Tex. (Oct. '39) *M*

Acchione, Lawrence J., Partner & Civ. Engr., Acchione Contracting Co., 1607–09 McKean St., Philadelphia 45, Pa. (July '44)

Acevedo-Quintana, Francisco, Cons. Engr., Instituto Nacional de Obras Sanitarias, Reducto a Glorieta 90, Caracas, Venezuela (Jan. '41)

Ackerman, Arthur P., c/o Bogert-Childs Eng. Assoc., 624 Madison Ave., New York 22, N.Y. (Apr. '43)

Ackerman, G. D., City Mgr., City Bldg., Xenia, Ohio (Jan. '48) *M*

Ackerman, J. Walter, Cons. Engr., Munnsville, Madison Co., N.Y. (Feb. '10) *Trustee '30. Director '30–'32. Honorary M. '41. M*

Ackerman, Theodore V., Engr., Water Dept., 319 City Hall, Pasadena 1, Calif. (July '47)

Activated Alum Corp., see Stuart Corp.

Adam, William D., Mgr., South Bay Cons. Water Co., Inc., 139 Surf Ave., Port Jefferson, N.Y. (Oct. '45)

Adams, Archie C., Dist. Engr., Wallace & Tiernan Co., Inc., 915 Colonial-American Bank Bldg., Roanoke 11, Va. (Apr. '48)

Adams, Clarence D., Chem. Engr., Colgate Palmolive Peet & Co., Box 307, New Albany, Ind. (Jan. '35) *P*

Adams, G. P., Filter Plant Operator, Water Works, 1003 Scott St., Napoleon, Ohio (Apr. '39) *P*

Adams, G. W., *see* Stauffer Mfg. Co.

Adams, J. A., Sales & Service Engr., Calgon, Inc., 225 S. 15th St., Philadelphia 2, Pa. (Apr. '46) *P*

Adams, John M., 1226—3rd Ave., W., Seattle 99, Wash. (Apr. '40) *MP*

Adams, John W., Gen. Supt., Water Works System, 920 Johnson St., Carlinville, Ill. (Apr. '42) *MP*

Adams, L. B., Mgr., American Cast Iron Pipe Co., Box 1491, Dallas, Tex. (Jan. '47)

Adams, R. P., Chief Operating Engr., Box 71, Killeen, Tex. (Jan. '46) *MP*

Adams, R. R., Civ. & Mech. Engr., J. E. Sirrine Co., Box 960, Greenville, S.C. (Jan. '44) *PR*

Adams, Reginald B., Supt. of Filtration, Wilkinsburg-Penn Joint Water Authority, 712 South Ave., Wilkinsburg, Pa. (June '30) *P*

Adams, Thomas C., Cons. Engr., 242 S. 12th St., Salt Lake City 2, Utah (Apr. '46)

Adams, Walter F., City Engr., Santa Rosa, Calif. (Oct. '39)

Adcock, R. W., Adcock Water Co., 1432 Del Monte Ave., Salinas, Calif. (Oct. '42)

Adirondack Water Works, H. N. Haberer, Supt., Lowville, N.Y. (Corp. M. Jan. '23)

Adkins, W. W., Supt., Water Dept., City Hall, Asheboro, N.C. (July '40) *MP*

Aeryns, Albert N., San. Engr., Bureau of San. Eng., City Dept. of Health, 125 Worth St., New York 13, N.Y. (Jan. '15) *P*

Affrica, Louis, Supt., Borough Elec. & Water Dept., 1000 Brackenridge Ave., Brackenridge, Pa. (Oct. '40) *P*

Agnew, A. V., Supt., Water Dept., 1106 —1st St., Lorain, Ohio (Oct. '46)

Agrimonti, A. F., Supt. of Utilities, Hinsdale, Ill. (Jan. '43) *P*

Aguilar V, J. Francisco, 4 Venida Sur 48, San Salvador, El Salvador (Jan. '46)
Ahlgren, Clarence L., Asst. Engr., Water Works, 482 Concord St., Manchester, N.H. (Jan. '46) *M*
Ahrens, H. C., *see* Winona Board of Munic. Works
Aid, F. N., Salesman, Johns-Manville Sales Corp., 2102 Hayden St., Amarillo, Tex. (Jan. '47)
Aiken, Charles H., *see* Clearwater Finishing Co.
Ainsley, William F., Supt., Water Plant, Box 22, Hertford, N.C. (Apr. '46) *MP*
Airways Water Co., Inc., Louis L. Robinson, Secy., 5158 W. 119th St., Hawthorne, Calif. (Corp. M. Jan. '47) *M*
Ajzenberg, Yisrael, Water Works Engr., 26-a Bar-Kochba St., Tel Aviv, Palestine (Jan. '45)
Aker, Lewis P., Chem. Engr., Louisville Gas & Electric Co., 311 W. Chestnut, Louisville 2, Ky. (Oct. '43) *P*
Akers, Arthur K., Adv. Mgr., *Public Works,* 310 E. 45th St., New York 17, N.Y. (Apr. '46) *MP*
Alameda County Water Dist., E. A. Richmond, Gen.Mgr., 116 S. Main St., Centerville, Calif. (Corp. M. Apr. '44)
Albert, E. K., Vice-Pres. & Chief Engr., California-Pacific Utilities Co., 400 Financial Center Bldg., San Francisco, Calif. (Apr. '42) *M*
Albert Lea Water Dept., Warren C. Hyde, City Mgr., City Hall, Albert Lea, Minn. (Corp. M. Oct. '40) *MP*
Albert Pipe Supply Co., Inc., John J. Dougherty, Gen. Mgr., Berry & N. 13th Sts., Brooklyn 11, N.Y. (Assoc. M. July '47)
Albertville Munic. Utilities Board, M. R. Norsworthy, Mgr., Albertville, Ala. (Corp. M. Jan. '46) *MR*
Albion Water Dept., Thomas J. Coffey, Supt., Public Works, Albion, N.Y. (Corp. M. July '43)
Albornoz P., Eduardo, 6-79 Calle 7, Bogota, Colombia (Jr. M. Apr. '46)
Albrecht, Robert H., Supt., Public Works, Board of Water, Light & Sewer Comrs., Hamilton, N.Y. (Jan. '39)
Albright, Porter H., Trustee, Albright Water System, Box 142, R.D. No. 2, Elsinore, Calif. (Oct. '38) *M*
Albright, Walter B., Sales Engr., James B. Clow & Sons, Newcomerstown, Ohio (Oct. '45)
Albuquerque, City of, Charles E. Wells, City Mgr., Mgr. & Chief Engr., Water Dept., City Hall, Albuquerque, N.M. (Corp. M. Apr. '44) *M*
Alcoa Mining Co., R. C. Cross, Bauxite, Ark. (Corp. M. Apr. '47)
Alcorn, James Dunn, 524 Hermosa St., South Pasadena, Calif. (Jan. '47) *M*
Alderman, Frank E., Chief San Engr., Holmes & Narver, 824 S. Figueroa St., Los Angeles 14, Calif. (Oct. '39) *MPR*
Aldrich, Ellwood H., Vice-Pres. & Chief Engr., Water Works Service Co., American Water Works Co., Inc., 50 Broad St., New York 4, N.Y. (July '35) *MR*
Aldrich, Henry V., Sr. Engr., Water Div., Utility Dept., City Hall, Houston 2, Tex. (Jan. '45) *MR*
Alewine, J. K., *see* Texas Water Co.
Alexander, Allen Young, Jr., Chief Operating Engr., Sewage, State Hospital, Butner, N.C. (Oct. '42) *P*
Alexander, Louis J., Chief Engr., Southern California Water Co., 950 Bendix Bldg., 1206 S. Maple Ave., Los Angeles 15, Calif. (Oct. '37) *P*
Alexander, R. C., Mgr., Water Co., Centerville, Iowa (July '20)
Alexandria Munic. Water Dept., R. L. Martin, Chemist, City Hall, Alexandria, La. (Corp. M. Jan. '43) *P*
Alfke, Charles J., Exec. Vice-Pres., Hackensack Water Co., 4100 Park Ave., Weehawken, N.J. (Mar. '25) *M*
Al-Hakim, M. Bahij, Graduate Student, Univ. of Minnesota, 123 Main Engineering Hall, Minneapolis 14, Minn. (Jr. M. July '48)
Alhydro, Inc., Albert C. Brumley, Pres., 516 N. Charles St., Baltimore 1, Md. (Assoc. M. Jan. '47)
Alizo C., Antonio, Oficina del Aqueducto de Maracaibo, Maracaibo, Venezuela
Allen, Bernard, Mgr., Blytheville Water Co., Blytheville, Ark. (Apr. '37) *M*
Allen, Claris, Prin. Asst. Engr., Indianapolis Water Co., Box 855, 113 Monument Circle, Indianapolis 6, Ind. (Jan. '45) *MP*
Allen, Cooper H., Mgr., Kansas City Office, McWane Cast Iron Pipe Co., Dierks Bldg., 1006 Grand Ave., Kansas City 6, Mo. (Jan. '45)
Allen, E. Jerry, San. Engr., City Water Dept., 323 County-City Bldg., Seattle 4, Wash. (Apr. '44) *MPR*
Allen, G. P., *see* Santa Ana Valley Irrigation Co.
Allen, Hoyt E., Supt., Munic. Service, Wyandotte, Mich. (July '29)
Allen, James H., Chief Engr., Interstate Com. on Delaware River Basin, 341 Broad St. Station Bldg., Philadelphia, Pa. (Jan. '43)
Allen, John Bolling, Engr., Water Div., Dist. Govt., 14th & E Sts., N.W., Washington, D.C. (Jan. '42) *M*
Allen, O. H., Supt., Water Dept., Mansfield, Ark. (Apr. '36)
Allen, R. B., Town Engr., Highland Park, 4700 Drexel Drive, Dallas 5, Tex. (Jan. '45) *M*

Allen, Tip H., *see* Canton Munic. Utilities

Allen, Victor H., Production Mgr., Interscience Publishers, Inc., 215—4th Ave., New York 3, N.Y. (Jan. '39)

Allendale Water Dept., C. J. Ryan, Water Supt., Allendale, N.J. (Corp. M. Oct. '38) *MR*

Allentown Bureau of Water, City Hall, Allentown, Pa. (Corp. M. May '22)

Allied Chemical & Dye Corp., *see* Barrett Div.; General Chemical Div.; Solvay Sales Div.

Allin, Claud R., Supt., Orange County Water Works, Dist. No. 2, 113 E. 9th St., Buena Park, Calif. (Sept. '41) *M*

Allinson, John W., Supt. of Water Works & Sewers, Street Comr., Williams, Iowa (Oct. '47) *MP*

Allis-Chalmers Mfg. Co., Grant M. Hinkamp, Engr., Public Works, Indus. Sales Dept., Box 512, Milwaukee 1, Wis. (Assoc. M. June '05)

Allison, Ellis J., City Mgr. & Water Supt., City Hall, Salina, Kan. (July '44) *M*

Allison, Forrest E., Supt. of Filtration, City Water Works, City Hall, Painesville, Ohio (Apr. '48)

Allison, S. L., Supt., Sewer Dept., 3234 S. Alameda Drive, Corpus Christi, Tex. (July '47)

Allouez Water Dept., William Van Frachem, Supt., 2143 S. Webster Ave., Green Bay Wis. (Corp. M. Apr. '43)

Alport, Frederick, Cons. Civ. Engr., Orillia, Ont. (Apr. '48)

Alt, Edward E., Chicago Bridge & Iron Co., 332 S. Michigan Ave., Chicago 4, Ill. (Apr. '41) *PR*

Alter, Amos J., Director, Div. of Sanitation & Eng., Territorial Dept. of Health, Box 378, Juneau, Alaska (Apr. '42)

Altoberro, Juan Carlos, Ing., 2029 Charrua St., Montevideo, Uruguay (May '28)

Alton, Lloyd, Mgr., Illinois Cities Water Co., Robinson, Ill. (Jan. '48) *M*

Aluminum Co. of Canada, Ltd., c/o Tech. Director, Arvida Works, Arvida, Que. (Corp. M. Oct. '43)

Ambridge Water Works Management Div., W. Wuycik, Secy., Box 329, Ambridge, Pa. (Corp. M. Jan. '41) *MPR*

Ambursen Eng. Corp., 295 Madison Ave., New York 17, N.Y. (Assoc. M. June '21)

American Brass Co., Frank G. Smith, Asst. Metallurgist, 414 Meadow St., Waterbury 88, Conn. (Assoc. M. Aug. '22)

American Cast Iron Pipe Co., Lester Long, Asst. Gen. Sales Mgr., Box 2603, Birmingham 2, Ala. (Assoc. M. July '07)

American City, The, Edgar J. Buttenheim, 470—4th Ave., New York 16, N.Y. (Assoc. M. May '18)

American Concrete Pipe Assn., Howard F. Peckworth, Mng. Director, 228 N. LaSalle St., Chicago 1, Ill. (Assoc. M. Oct. '17)

American Cyanamid Co., J. D. Lowery, Mgr., Heavy Chemicals Dept., 30 Rockefeller Plaza, New York 20, N.Y. (Assoc. M. June '06)

American Enka Corp., J. W. Jacokes, Mgr., Chem. Lab., Enka, N.C. (Corp. M. Jan. '41) *MP*

American Foundry & Mfg. Co., 1015 Hebert St., St. Louis 7, Mo. (Assoc. M. May '08) *MPR*

American Iron & Steel Institute, George D. Lain, Research Engr., 350—5th Ave., New York 1, N.Y. (Assoc. M. Jan. '41)

American Pipe & Construction Co., Robert V. Edwards, Vice-Pres., Box 3428 Terminal Annex, Los Angeles 54, Calif. (Assoc. M. Oct. '41)

American Viscose Corp., Robert R. Gushard, Lab. Control Chemist, Lewistown, Pa. (Corp. M. Jan. '47) *P*

American Water Softener Co., George S. Garrett, Treas., Lehigh Ave. & 4th St., Philadelphia 33, Pa. (Assoc. M. July '23)

American Water Works Co., Inc., Gilbert W. Chapman, Pres., 50 Broad St., New York 4, N.Y. (Corp. M. June '15)

American Well Works, Inc., The, C. A. Scott, Vice-Pres., Aurora, Ill. (Assoc. M. Mar. '23)

Ames, Burton L., Supt., Water Dept., 706 Pine St., Perrysburg, Ohio (Apr. '44) *M*

Ames, J. H., *see* Ames Water Dept.

Ames, Lewis, Supt., Water System, Eureka Springs, Ark. (Affil. Jan. '45)

Ames Water Dept., J. H. Ames, City Mgr., Ames, Iowa (Corp. M. Jan. '37) *M*

Amis, Buddy P., Sales Repr., U.S. Pipe & Foundry Co., 1204 Praetorian Bldg., Dallas, Tex. (Jan. '48)

Amiss, Thomas Lampkin, Supt. & Engr., Dept. of Water & Sewerage, City Hall, Shreveport, La. (May '18) *Director '42–'45. Fuller Award '45. M*

Ammerman, Davis & Stout, Inc., Telford R. Davis, Vice-Pres., 912–23 K. of P. Bldg., Indianapolis 4, Ind. (Corp. M. July '48)

Amsbary, Frank C., Jr., Mgr. Illinois Water Service Co., Champaign, Ill. (Jan. '27) *Director '39–'42. Fuller Award '41. MP*

Anaconda Copper Mining Co., H. M. Johnson, Supt., Water Works Dept., Box 548, Anaconda, Mont. (Corp. M. June '10) *M*

Ancell, W. Guy, *see* Staunton, City of

Anders, Willard W., Supt. of Filtration, Filter Plant, Douglasdale Rd., Richmond 21, Va. (Jan. '47) *P*

Andersen, J. W., *see* Muscatine Water Works

Anderson, A. E., *see* Moline Water Works

Anderson, Alden W., Asst. Supt. of Constr. & Maint., Water Bureau, 1900 N. Interstate Ave., Portland 12, Ore. (Apr. '30) *M*

Anderson, Alfred B., Chief Engr., Water & Sewer Div., Pittsburgh Pipe Cleaner Co., 3004 Woolworth Bldg., New York 7, N.Y. (Jan. '47)

Anderson, Carl A., Asst. Supt., City Pipe System, Board of Water Comrs., 1570 W. Alameda Ave., Denver 9, Colo. (Apr. '47)

Anderson, Clarence S., Supt. of Public Works, Municipality of Township of Tisdale, South Porcupine, Ont. (Apr. '38)

Anderson, E. D. *see* Northern Indiana Public Service Co.

Anderson, E. L., Dist. Mgr., California Water Service Co., Visalia, Calif. (Oct. '44)

Anderson, Edwin J., Agent, Chicago Pump Co., 14 Smith St., Detroit 2, Mich. (Apr. '48)

Anderson, F. R., Supt., Duke Power Co., Rutherfordton, N.C. (July '41) *M*

Anderson, George, Supt. of Utilities, Hill City, Kan. (July '47)

Anderson, Gordon C., Engr., National Board of Fire Underwriters, 605 W. 111th St., New York 25, N.Y. (Jan. '48)

Anderson, H. W., A B C Construction Co., 1434 S. Lakewood Blvd., Hynes, Calif. (Oct. '46)

Anderson, Irving E., Dist. Engr., Water Resources Branch, U.S. Geological Survey, Box 2052, Jackson, Miss. (July '47)

Anderson, J. V., Supt., Water Dept., City Hall, Eveleth, Minn. (Jan. '46) *M*

Anderson, L. E., Water Well Drilling, 828 Broadwater Ave., Billings, Mont. (Apr. '47)

Anderson, L. Harold, Vice-Pres. & Asst. Gen. Mgr., Pacific Gas & Elec. Co., 245 Market St., San Francisco 6, Calif. (Oct. '43) *MPR*

Anderson, Mark J., *see* Anderson, Mark J., & Co.

Anderson, Mark J., & Co., Mark J. Anderson, Pres., Box 803, Tampa 1, Fla. (Assoc. M. Jan. '47)

Anderson, Martin E., Leadville Water Co., 719 Harrison Ave., Leadville, Colo. (Jan. '43) *M*

Anderson, Norval E., Engr. of Treatment Plant Design, San. Dist. of Chicago, 910 S. Michigan Ave., Chicago 5, Ill. (Oct. '41) *P*

Anderson, Roderick V., Cons. Engr., 956 Eglinton Ave., W., Toronto, Ont. (Jan. '44) *MP*

Anderson, S. T., Gen. Supt., Water, Light & Power Dept., City Hall, Springfield, Ill. (July '35)

Anderson, William I., Chief Utility Accountant, Water Dept., 323 County-City Bldg., Seattle 4, Wash. (Oct. '47) *M*

Anderson, City of, William A. Branch, Supt., Box 111, Anderson, Ind. (Corp. M. Jan. '35)

Andrews, G. N., Mgr., Utilities Dept., Shell Oil Co., Inc., Wood River, Ill. (Apr. '46) *MPR*

Andrews, Harry S., *see* Fulton Water Dept.

Andrews, Richard C., *see* Bakelite Corp.

Andrews, Robert E., 1030 Shattuck Ave., Berkeley 7, Calif. (June '13)

Andrews, S. W., Pres. H. G. Acres & Co., Cons. Engrs., 2135 Culp St., Niagara Falls, Ont. (Jan. '46) *PR*

Andrews, William S., Dist. Mgr., Pittsburgh Equitable Meter Div., Rockwell Mfg. Co., 600 Grant St., Pittsburgh 19, Pa. (Jan. '41) *M*

Angel, Joe, Engr., Water Works, Center St., R.D. 2, Garrettsville, Ohio (Apr. '48)

Angell, James M., Jr., Eastern Mgr., *Water & Sewage Works,* 155 E. 44th St., New York 17, N.Y. (July '35)

Angelotti, Tony, Supt., Water Dept., 9—2nd St., Willoughby, Ohio (Oct. '47)

Angle, C. F., Supervisor of Water Dept., Rayon Div., Celanese Corp. of America, Rome, Ga. (Jan. '38) *PR*

Anglim, Daniel W., Supt., Central Dist., Dept. of Public Works, Bureau of Eng., Water Pipe Ext. Div., 8158 Cornell Ave., Chicago, Ill. (July '42) *MR*

Angus, Robert W., Prof. Emeritus of Mech. Eng., Univ. of Toronto, Toronto, Ont. (Feb. '17) *Fuller Award '42. Honorary M. '45. MR*

Anheuser-Busch, Inc., (Mrs.) Valborg Hendrickson, Librarian, 721 Pestalozzi St., St. Louis 18, Mo. (Corp. M. Apr. '38)

Ankele, M. A., Cons. Engr., Inter-State Water Co., 141 N. Vermillion St., Danville, Ill. (Jan. '47)

Ankener, Angelo, Asst. Engr., New York City Dept. of Water Supply, Gas & Elec., Queens Borough Hall, Kew Gardens 15, N.Y. (Jan. '47) *MPR*

Ankener, Richard, 32-53—42nd St., Long Island City 3, N.Y. (Oct. '22)

Ann Arbor Water Dept., H. H. Caswell, Mgr., 218 E. Huron St., Ann Arbor, Mich. (Corp. M. Apr. '19) *Director '44–'47.*

Anthony, Sidney S., Supt. & Engr., Water Dist., 12 Williams St., Augusta, Me. (Apr. '36) *M*

Antweiler, J. J., Engr. of Distr., Dept. of Public Utilities, 610 Auditorium Garage Bldg., Cleveland 14, Ohio (June '27) *M*

Applebaum, Samuel B., Pres., Liquid Conditioning Corp., 114 E. Price St., Linden, N.J. (Apr. '16) *P*

Arbour, E., Mgr., Public Utilities Com., 112 Tecumseh Rd., W., Tecumseh, Ont. (Apr. '42) *MP*

Arbuckle, Mortimer M., Chief Operator, Bivins Gasoline Plant, Canadian River Gas Co., Channing, Tex. (Oct. '47) *P*

Arbulu M., Jose, San. Engr., Ministry of Public Works, 180 Pablo Bermudez, Lima, Peru (Oct. '47)

Arbuthnot, James B., San. Engr., State Board of Health, Univ. of Kansas, Lawrence, Kan. (Oct. '46) *P*

Arcadia Water Dept., C. E. Gibson, City Recorder, Box 351, Arcadia, Fla. (Corp. M. Jan. '46)

Archbell, Clarence, Supt. of Production, Water Dept., City Hall, Marshall, Tex. (Oct. '43) *MP*

Archer, Elmer T., Owner, E. T. Archer & Co., Railway Exchange Bldg., Kansas City 6, Mo. (May '18) *PR*

Archibald, H. E., Township Engr., Township of Teck, Kirkland Lake, Ont. (Oct. '47)

Arenander, Carl A., Assoc. Engr., Malcolm Pirnie Engrs., 25 W. 43rd St., New York 18, N.Y. (Oct. '35) *PR*

Argo, John Wilkie, Partner, Gore & Storrie, Cons. Engrs., 1130 Bay St., Toronto, Ont. (Apr. '44) *MPR*

Arizona Edison Co., Inc., C. G. Ekstrom, 830 Title & Trust Bldg., Phoenix, Ariz. (Corp. M. Jan. '47) *M*

Arkansas City Water Dept., Clyde B. King, City Mgr., City Bldg., Arkansas City, Kan. (Corp. M. Apr. '46)

Armco Drainage & Metal Products, Inc., R. C. Beam, Mgr., Welded Pipe Sales Div., Curtis St., Middletown, Ohio (Assoc. M. Jan. '27)

Armstrong, C. G. R., Cons. Engr., 605–6 Bartlett Bldg., Windsor, Ont. (May '34) *MP*

Armstrong, James Wadsworth, 2722—2nd Ave., Bradenton, Fla. (Mar. '10) *Fuller Award '39. P*

Armstrong, K. C., Supt. of Filtration, Munic. Authority, 5th & Welsh Sts., Chester, Pa. (Dec. '24) *M*

Armstrong, Roger W., Cons. Engr., Board of Water Supply, 120 Wall St., New York 5, N.Y. (Apr. '16) *R*

Arno, Rollo, Bacteriologist, Mt. Prospect Lab., 355 Park Pl., Brooklyn 17, N.Y. (July '41) *MP*

Arnold, David L., Gen. Foreman, Water Works, 1540 Miami Court, N.E., Canton, Ohio (Oct. '47)

Arnold, Gerald E., Director, Water Dept., Civic Center, San Diego 1, Calif. (Sept. '33) *Fuller Award '39. MPR*

Arnold, L. E., Pres., Water Works Equipment Co., 151 W. 2nd South St., Salt Lake City 1, Utah (Oct. '39)

Arnold, Roy N., Supt., Water Dept., Whitefish, Mont. (July '35)

Arntfield, George F., *see* Reliable Iron Foundry, Inc.

Aronson, A. V., *see* Escanaba Munic. Utilities

Arrisueno, Jose, San. Engr., Ministerio de Fomento, 326 Bellavista, Miraflores, Lima, Peru (Apr. '47)

Art Concrete Works, Frank M. Brooks, Gen. Mgr., Box 417, Pasadena, Calif. (Assoc. M. Dec. '20)

Arthur, S. E., Water Works Mgr., Mandan, N.D. (Jan. '47)

Asay, Ray E., Asst. Chief Engr. (Utilities), Electro-Motive Div., General Motors Corp., La Grange, Ill. (Apr. '47)

Asbury, W. D., Asst. Supt., Water Dept., City Hall, Tyler, Tex. (Oct. '47) *M*

Aschenbrenner, Paul F., San. Engr., Chanute Air Force Base, Rantoul, Ill. (July '46) *P*

Asheville, City of, Thad C. Burnett, Supt. of Watersheds, City Hall, Asheville, N.C. (Corp. M. Jan. '43)

Ashland Water Dept., Ashland, Ore. (Corp. M. Apr. '40)

Ashley, Fred M., Comr. of Public Works, City Hall, Fresno 1, Calif. (Jan. '42) *M*

Aske, H. T., Secy.-Treas., Culligan Soft Water Service, Inc., 305 W. Dayton St., Madison 3, Wis. (Apr. '47)

Asselstine, Erwin S., Geologist in Charge, U.S. Geological Survey, Ground Water Div., 444 Broadway, Albany, N.Y. (Oct. '47) *R*

Aston, Royden N., Tech. Repr., Sales Development Dept., United Office Bldg., Mathieson Chemical Corp., Niagara Falls, N.Y. (Jan. '46) *P*

Astoria, City of, H. M. McCallister, Supt. of Public Works, City Hall, Astoria, Ore. (Corp. M. Apr. '44)

Atkin, H. B., *see* Citizens Utilities Co. [Conn.]

Atkinson, Roswell C., *see* Newnan Water & Light Com.

Atkinson, V. E., *see* Victoria Water Dept.

Atlas Foundry & Machine Co., Joe L. Long Jr., Vice-Pres., 3012 S. Wilkeson St., Tacoma 1, Wash. (Assoc. M. Jan. '45)

Atlas Mineral Products Co. of Pa., George L. Wirtz, Pres., Mertztown, Pa. (Assoc. M. May '26)

Atwell, Daniel J., Dresser Mfg. Div., 27 S. Van Dien Ave., Ridgewood, N.J. (Oct. '46)

Aubery, Melville W. F., Asst. San. Engr., Water Dept., 100 N. Garfield, Pasadena, Calif. (July '48)

Auburn Water Dept., John E. Stapleton, Treas., Memorial City Hall, Auburn, N.Y. (Mun. Sv. Sub. Mar. '11)

Auderut Barbeito, Arturo, Civ. Engr., Bolivar 638, Buenos Aires, Argentina (Jan. '45)

Augenstein, Harold W., Supt., Munic. Water Works, N. 3rd St. Extension, Hamilton, Ohio (July '48)

Augustine, C. V., North Central Ave. Water Utilities, Box 1285, Phoenix, Ariz. (July '48)

Augustus, A. Stewart, Supt., Charles E. Cannell Co., 2138 S. Floyd St., Louisville 8, Ky. (Apr. '47) *M*

Auld, David, Supt. & Chief Engr., Water Dept., District Bldg., Washington, D.C. (Oct. '44) *M*

Auld, Edwin P., Sr. Mech. Engr., Board of Water Supply, Box 3410, Honolulu, Hawaii (Apr. '47)

Ault, Bruce A., Civ. Eng. Asst., San. Eng. Div., Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (July '46) *P*

Aultman, William W., Water Purif. Engr., Metropolitan Water Dist. of Southern California, Box 38, La Verne Calif. (Jan. '36) *PR*

Aurora Pump Co., Frank S. Main, Pres., 629 Locust St., Aurora, Ill. (Assoc. M. Apr. '46)

Aurora Water & Light Com., Charles Juhlin, Supt., Aurora, Minn. (Corp. M. Jan. '40) *M*

Austin Board of Water, Elec., Gas & Power Com., H. J. Lamon, Supt., 419 E. Water St., Austin, Minn. (Corp. M. July '35) *M*

Austin, H. B., Partner, Austin Eng. Co., 115 S. Jefferson St., Peoria, Ill. (Jan. '41) *PR*

Austin, Ralph D., City Engr. & Water Supt., City Hall, Little Falls, N.Y. (Apr. '38) *M*

Austin, Robert W., Hydr. Engr., State Dept. of Public Service, Albany, N.Y. (Jan. '41)

Automatic Control Co., William L. West, Pres., 1005 University Ave., St. Paul 4, Minn. (Assoc. M. Apr. '46)

Automatic Pump & Softener Corp., Bruce W. Johnson, Vice-Pres., 2412 Grant Ave., Rockford, Ill. (Assoc. M. Jan. '46)

Averill, Clarence R., Trustee, Member of Water Board, Webster, N.Y. (Jan. '48)

Avery, Jasper W., Mech. Engr., Havens & Emerson, 1140 Leader Bldg., Cleveland, Ohio (Oct. '46) *PR*

Avon Lake Water Dept., Paul McCampbell, Board of Trustees of Public Affairs, 33370 Lake Rd., Avon Lake, Ohio (Corp. M. Oct. '47)

Avrett, William L., Jr., Public Health Engr., Div. of Public Health Eng., State Dept. of Public Health, 245 State Office Bldg., Atlanta, Ga. (Apr. '36) *P*

Alexrad, B. A., Tech. Asst. to Gen. Supt., Freeport Sulphur Co., Drawer A, Freeport, Tex. (Apr. '39) *PR*

Ayala H., Juan Pablo, Departmento de Estudios y Proyectos, Instituto Nacional de Obras Sanitarias, Reducto a Glorieto No. 90, Caracas, Venezuela (Jan. '41)

Ayers, Edward D., Service Engr., Pittsburgh Equitable Meter Div., 117 Grove St., Elmira, N.Y. (Apr. '47)

Ayliffe, Ora C., Supt., Water Works, 1429 7th St., S., Fargo, N.D. (July '37) *MR*

Ayres, Louis E., Civ. Engr., Ayres, Lewis, Norris & May, 506 Wolverine Bldg., Ann Arbor, Mich. (Nov. '16)

Ayres, W. F., Mgr., Texas Water Co., Box 11038, Houston 16, Tex. (Jan. '47) *M*

B.C. Concrete Co., Ltd., A. W. G. Clark, Mng. Director, 1025 W. 77th Ave., Vancouver, B.C. (Assoc. M. Jan. '45)

Baals, Harry W., 248 W. Superior, Fort Wayne 2, Ind. (Jan. '35)

Babbitt, Harold E., Prof. of San. Eng., Univ. of Illinois, 204 Engineering Hall, Urbana, Ill. (June '16) *Director '36-'39. P*

Babcock, Glenn E., Supt., Water Dept., Village Hall, Mentor, Ohio (July '44) *M*

Babcock, Harold H., City Supt., Fort Morgan, Colo. (Jan. '47) *M*

Babcock, Richard M., Public Health Engr., State Dept. of Health, 1635 Cheyenne St., Lincoln 2, Neb. (Apr. '48)

Babcock & Wilcox Co., The, John B. Romer, Consultant, Materials Lab., Research & Development Dept., Box 835, Alliance, Ohio (Assoc. M. May '24) *PR*

Baber, John E., Salesman, T. C. Heywold, 404 Hildebrandt Bldg., Jacksonville 2, Fla. (July '46) *P*

Bach, Clayton M., Jr. Chemist & Water Bacteriologist, Water Dept., 3rd & Marshall Ave., N.E., Minneapolis 18, Minn. (July '42) *P*

Bacharach, E. W., Inc., E. W. Bacharach, Pres., 800 Rialto Bldg., Kansas City 6, Mo. (Assoc. M. Apr. '40)

Bachelder, Herbert W., Engr. in Charge, Munc. Com., Herkimer, N.Y. (Oct. '40)

Bachmann, Frank, 1321 Nottingham Ave., Orlando, Fla. (Feb. '15) *P*

Backmeyer, David, *see* Marion Water Dept.

Bacon, Harold R., *see* Birmingham Water Co.

Bacon, Thomas S., Chief Engr., Lone Star Gas Co., 1915 Wood St., Dallas 1, Tex. (Jan. '46) *P*

Bacon, Vinton W., Office Engr., Orange County Sewerage Survey, 401 W. 6th St., Santa Ana, Calif. (Jan. '41) *MPR*

Bader, John, Gen. Supt., San Gabriel Valley Water Co., 242 E. Garvey, El Monte, Calif. (Oct. '43) *M*

Badger, Henry Franklin, Secy., Board of Fire Underwriters of the Pacific, 215 Battery St., San Francisco 11, Calif. (Aug. '25)

Badger Meter Mfg. Co., J. E. Johnston, Gen. Sales Mgr., 2357 N. 30th St., Milwaukee 10, Wis. (Assoc. M. June '04)

Badley, Harry W., Repr., Neptune Meter Co., 640 Highland St., Salina, Kan. (May '28) *Fuller Award '48. M*

Baer, Arlie, Supt., Munic. Water Dept., 3rd St., Lawrenceburg, Ind. (Jan. '43)

Baffa, John J., Cons. Engr., 75 West St., New York 6, N.Y. (Jan. '44) *MPR*

Bagford, Donald E., Civ. Eng. Asst., Dept. of Water & Power, 207 S. Broadway, Los Angeles 12, Calif. (Oct. '47) *P*

Bagwell, C. H., Supt. of Meter Maint. & Installation, Utilities Board, 626 S. Gay St., Knoxville, Tenn. (Apr. '47) *M*

Bahamonde, H. O. M., Sub-Director de Agua Potable, Dept. de Agua de Quito, Ave. Rio de Janeiro No. 726, Quito, Ecuador (Oct. '47)

Bailey, Albion A., Assoc. Engr., Bureau of Water Supply, Montebello Filters, Baltimore 18, Md. (July '42) *P*

Bailey, Allen C., Water Development Engr., Eastman Kodak Co., Kodak Park, Rochester 4, N.Y. (July '42) *P*

Bailey, Harold M., City Engr., Yorkton, Sask. (Jan. '37) *MP*

Bailey, Hoyt G., Supt., Water & Sewer Dept., Laurinburg, N.C. (Jan. '47)

Bair, Albert J., Vice-Pres. & Gen. Mgr., The Hughes Supply Co., 136 W. 6th St., Mansfield, Ohio (July '48)

Baity, Herman Glenn, Prof. of San. Eng., School of Public Health, Univ. of North Carolina, Chapel Hill, N.C. (May '23) *Fuller Award '40. P*

Bakelite Corp., Richard C. Andrews, Process Safety Dept., Box 515, Ottawa, Ill. (Corp. M. Apr. '48)

Baker Dept. of Water, Fire & Sanitation, W. P. Smith, Comr., City Hall, Baker, Ore. (Corp. M. Jan. '39) *M*

Baker, Alden K., Mgr., Harrisburg Ice & Water Co., Harrisburg, Ark. (Apr. '43) *M*

Baker, C. V., *see* Electric Chemical Co.

Baker, Frank A., Supt., Water Dept., City Hall, New Brunswick, N.J. (Oct. '41)

Baker, G. H., *see* North York, Township of

Baker, Harold J., *see* Fishers Island Farms, Inc.

Baker, Hoyt, Supt., Munic. Water Dept., Hartwell, Ga. (Jan. '44) *P*

Baker, Luke, Water & Sewage Supt., Athens, Tex. (Jan. '48)

Baker, M. N., 53 Oakwood Ave., Upper Montclair, N.J. (June '03) *Honorary M. '36. P*

Baker, Michael, Jr., Pres., Michael Baker Jr., Inc., Baker Bldg., 115 Shields St., Rochester, Pa. (July '43) *MP*

Baker, Michael D., Chief Chemist, West Penn Power Co., Springdale Power Station, Springdale, Pa. (July '41) *MP*

Baker, R. H., Co., Inc., John J. Scotto, Gen. Mgr.-Secy.-Treas., 2070 E. Slauson Ave., Huntington Park, Calif. (Assoc. M. Oct. '39) *MR*

Baker, Ralph H., Jr., San. Engr., State Board of Health, Bureau of San. Eng., Box 210, Jacksonville 1, Fla. (Jan. '47)

Baker, Richard A., Acting Foreman, Plant Maint., City Water Dept., 711 Broadwater Ave., Billings, Mont. (Apr. '44)

Baker, Roger C., Dist. Geologist, U.S. Geological Survey, c/o Bureau of Research, Univ. of Arkansas, Fayetteville, Ark. (Apr. '47) *R*

Baker, Ronald D., Gen. Mgr., Dayton Sofwater Co., 1288 McCook Ave., Dayton 4, Ohio (July '47) *R*

Baker, W. H., Gen. Mgr., Rockport Water Co., Rockport, Ind. (Jan. '46)

Bakewell, D. M., Mgr. & Secy., Santa Fe Irrigation Dist., Rancho Santa Fe, Calif. (July '39)

Bakke, O. M., Chemist, Houston Labs., Box 132, Houston, Tex. (Oct. '39) *P*

Balch, Robert T., Div. Supt., Eastern Div., Southern California Water Co., 269 W. 2nd St., Claremont, Calif. (July '43) *M*

Baldwin, Boone, City Mgr., Water & Light Dept., Paris, Ky. (July '42)

Baldwin, Dan D., 4501 Washington Blvd., Chicago 24, Ill. (Jan. '46)

Baldwin, Frank N., *see* Houston Utilities Dept.

Baldwin Park County Water Dist., James B. Faris, 173 E. Ramona Blvd., Baldwin Park, Calif. (Corp. M. July '43)

Baldwin, Leslie A., Vice-Pres. & Mgr. of Special Industries, Indus. Products Div., Johns-Manville Sales Corp., 22 E. 40th St., New York 17, N.Y. (Apr. '39) *M*

Baldwin, Robert Lee, Burns & McDonnell Eng. Co., Box 7088, Kansas City 2, Mo. (Nov. '25) *PR*

Baldwin, Robert T., Secy., The Chlorine Institute, Inc., 50 E. 41st St., New York 17, N.Y. (July '24) *P*

Baldwin, T. H., Cons. Engr., Box 1151, Cheyenne, Wyo. (May '34) *P*

Ball, Edmund Bruce, Mng. Director, Glenfield & Kennedy, Ltd., Kilmarnock, Ayrshire, Scotland (Jan. '45)

Ball, Edward, Supt., Munic. Water Works, Bracebridge, Ont. (Jan. '36)

Ball, O. V., Sr. San. Engr., Ontario Dept. of Health, 807 Richmond St., W., Toronto 3, Ont. (Jan. '43) *P*

Balles, S. E., *see* Plainview Water Dept.

Ballou, Arthur F., 1310 San Luis Ave., Oakland 2, Calif. (Aug. '24) *MPR*

Ballston Spa Water Dept., George A. Lloyd, Supt., Box 177, Ballston Spa, N.Y. (Mun. Sv. Sub.) July '39)

Balshaw, Frank E., Water Works Engr., Calgary Power, Ltd., 504 Insurance Exchange Bldg., Calgary, Alta. (Jan. '44) *MP*

Baltimore County Metropolitan Dist., William F. Neale, Chief Engr., Court House, Towson, Baltimore 4, Md. (Corp. M. Oct. '44)

Bamford, J. H., Supt., Water Dept., City Hall, Dayton, Wash. (Jan. '37) *P*

Banco Nacional Hipotecario Urbano y de Obras Publicas, S.A., *see* Mexico

Bandy, W. A., Itinerant Instructor, Indus. Extension Service, Texas A & M College, College Station, Tex. (July '44) *MP*

Bane, Harry R., Jr., Cons. Engr., E. H. Dunmire, 2774 South St., Lincoln, Neb. (Jan. '48)

Banks, Harvey O., Assoc., Harold Conkling, Cons. Engr., 108 W. 6th St., Los Angeles 14, Calif. (Jan. '41) *R*

Banks, Russell S., Local Mgr., Ohio Water Service Co., Marysville, Ohio (Apr. '39) *P*

Banks, William G., Div. Engr., Div. of Water, Dept. of Public Works, City Hall Annex, Newark 2, N.J. (Dec. '19) *Fuller Award '39. M*

Bankson, Ellis E., Mng. Engr., Allegheny County San. Authority, 502 City-County Bldg., Pittsburgh 19, Pa. (July '22) *M*

Bankston, Leo V., Asst. Engr., Baton Rouge Water Works Co., 131 Lafayette St., Baton Rouge, La. (July '47)

Bannen, John, 509 Highland Ave., South Charleston 3, W.Va. (July '44) *P*

Banta, A. Perry, Assoc. Prof. of San. Eng., California Inst. of Technology, Pasadena 4, Calif. (Oct. '38) *PR*

Banta, James J., *see* Covington, City of

Barada & Page, Inc., W. M. Betts, Pres., Guinotte & Michigan Aves., Kansas City 1, Mo. (Assoc. M. Oct. '39)

Barager, C. A., City Water Dept., Granite Falls, Minn. (July '40)

Barbee, Edwin W., Assoc. Civ. Engr., San Francisco Water Dept., 425 Mason St., San Francisco 2, Calif. (Jan. '36)

Barbehenn, Ralph L., Sec. Chief, Transite Pipe, Johns-Manville Research Center, Manville, N.J. (Apr. '43) *PR*

Barber, B. P., Pres., Barber, Keels & Assoc., Inc., Engrs. & Surveyors, Box 1116, Columbia, S.C. (Apr. '40) *P*

Barber, Norton, Treas. & Supt., Arlington Water Co., 469 Main St., Bennington, Vt. (Oct. '42) *M*

Barclay, L. W., Public Relations Director, Dept. of Water & Power, 207 S. Broadway, Los Angeles 12, Calif. (Oct. '45) *MPR*

Bardwell, C. M., 2201 Fairfax St., Denver 7, Colo. (July '26) *PR*

Bardwell, R. A., Service Engr., Water Chemist, R.R. 2, Walnut Hill, Danville, Ill. (Jan. '38) *P*

Bardwell, R. C., Supt. of Water Supply, Chesapeake & Ohio Ry. Co., Richmond 10, Va. (Nov. '14) *Director '40–'43. Fuller Award '44. MPR*

Bare, Ben K., Partner, Burgess & Niple, Cons. Engrs., 568 E. Broad St., Columbus 15, Ohio (Oct. '46) *P*

Barker, J. R., Vice-Pres. & Pacific Coast Mgr., Neptune Meter Co., 320 Market St., San Francisco 11, Calif. (June '26)

Barker, James D., Supt., Water Distr., Winfield, Kan. (Apr. '46)

Barklage, O. F., Mfrs. Repr., Water & Sewage Treatment Equip., 423 S. 38th Ave., Omaha 3, Neb. (Jan. '41) *P*

Barksdale, Henry Compton, Dist. Engr., Ground Water, U.S. Geological Survey, Box 1689, Trenton 7, N.J. (July '47) *R*

Barksdale, John C., Western Sales Mgr., Lynchburg Foundry Co., 1316 Peoples Gas Bldg., Chicago 3, Ill. (Jan. '39)

Barnard & Burk, Cons. Engrs., Jack S. Burk, Partner, 314 Triad Bldg., Baton Rouge 6, La. (Corp. M. Jan. '48)

Barnard, Russell E., Advisory Engr., Welded Pipe Sales Div., Armco Drainage & Metal Products, Inc., Middletown, Ohio (Oct. '39) *MPR*

Barnes, George E., Prof. of Hydr. & San. Eng. & Head, Dept. of Civ. Eng. & Eng. Mechanics, Case School of Applied Science, Cleveland 6, Ohio (Jan. '36) *P*

Barnes, George William, Supt., Water Dist., Hillside Ave., S. Huntington, N.Y. (Apr. '47)

Barnes, James E., Supt., Water Dept., 14340 Euclid Ave., East Cleveland 12, Ohio (Jan. '41) *M*

Barnes, John R., Repr., Neptune Meter Co., 1011—1st Ave., E., Oskaloosa, Iowa (Jan. '47)

Barnes, W. E., City Engr. & Supt., Water Dept., City Hall, Liberty, Mo. (Apr. '40) *MP*

Barney, John R., Comr. of Public Property, 150 N. Ottawa St., Joliet, Ill. (July '48)

Barney, Ray, Asst. Supt., Water Dept., City Hall, 15 Fox St., Aurora, Ill. (Apr. '47) *M*

Barngraver, Lester, Water & Sewer Supt., City Hall, Shawnee, Okla. (Jan. '48)

Barnhill, Kenneth G., Sales Engr., The Permutit Co., 404 Hildebrandt Bldg., Jacksonville 2, Fla. (July '39) *P*

Barnsley, County Borough of, W. Gordon Lees, Waterworks Engr. & Mgr., Waterworks Offices, Town Hall, Barnsley, Yorkshire, England (Corp. M. July '46) *MPR*

Barr, Clarence Dale, Pres., American Cast Iron Pipe Co., Box 2603, Birmingham 2, Ala. (July '46)

Barr, Carl F., *see* Two Harbors, City of

Barr, F. Remington, *see* Morenci Water & Elec. Co., The

Barr, J. J., Vice-Pres., Water Utilities Service Corp., 201 N. 6th St., Camden, N.J. (Jan. '44)

Barranger, Glynn D., *see* Marion, Town of

Barratt, E. A., *see* North Bay, City of

Barrett Div., The, Allied Chemical & Dye Corp., 40 Rector St., New York 6, N.Y. (Assoc. M. Jan. '37)

Barrett, E. D., Dist. Sales Mgr., Chicago Bridge & Iron Co., 607 Lafayette Bldg., Detroit 26, Mich. (Apr. '44)

Barrett, Max L., San. Engr., Northeastern Branch Office, State Board of Health, 1700 N. Harrison St., Ft. Wayne 7, Ind. (Jan. '47) *P*

Barrick, Mervin Joseph, Dist. San. Engr., State Dept. of Health, 724—1st Ave., Williamsport 4, Pa. (Feb. '24) *PR*

Barrie Public Utilities Com., W. M. Salter, Gen. Mgr., 5 Bayfield St., Barrie, Ont. (Corp. M. July '35) *M*

Barron, Alexander F., 53 W. Jackson Blvd., Chicago 4, Ill. (Sept. '28) *P*

Barrows, G. E., Technician, Dairymen's League Co-op. Assn., Inc., 810 Burnet Ave., Syracuse 1, N.Y. (Jan. '43)

Barry, Charles, Salesman, Badger Meter Mfg. Co., 811 E. Noble St., Guthrie, Okla. (July '44)

Barstow, Eugene D., Cons. Engr., E. D. Barstow, 31 N. Summit St., Akron 8, Ohio (Jan. '36) *MP*

Barth, John H., City Engr., Water Dept., City Hall, La Crosse, Wis. (Oct. '41)

Bartlett, Nicholas, *see* Clark, H. W., Co.

Bartlett, Terrell, The Terrell Bartlett Engrs., 2700 Transit Tower, San Antonio 5, Tex. (June '23) *R*

Barton, Harry, Supt. & Engr., Citizens Water Supply Co., 163 Cutter Mill Rd., Great Neck, N.Y. (Dec. '28) *M*

Bartow, Edward, Prof. of Chemistry & Chem. Eng., Chemistry Bldg., Iowa State Univ., Iowa City, Iowa (June '06) *Trustee '14, '15. Vice-Pres. '21. President '22. Exec. Com. '23, '24. Honorary M. '36. PR*

Bartuska, James F., Supt., Water Dept., 1642—119th St., Whiting, Ind. (Oct. '24) *MP*

Bartz, Ellwood Lewis, Box 431, Hilo, Hawaii (Apr. '47)

Bartz, Erwin A., San. Engr., City of Two Rivers, 2806 West St., Two Rivers, Wis. (July '44) *P*

Bascom, Carleton V., Dist. Engr., Water Distr. Div., Los Angeles Dept. of Water & Power, Box 152, Van Nuys, Calif. (Oct. '41) *M*

Basenberg, Frank C., Polglaze & Basenberg Engrs., 1001–6 Empire Bldg., Birmingham 3, Ala. (July '46) *MPR*

Basgall, V. A., City Mgr., City Hall, Hays, Kan. (July '46) *M*

Basom, G. E., Mgr., Water & Light Com., Fairmont, Minn. (June '27) *MP*

Bass, John Howard, Sales Engr., Infilco, Inc., 2735 Kent Rd., Columbus 8, Ohio (Oct. '46)

Bassett, Carroll P., Pres., Bassett Estates, Estates, Inc., 382 Springfield Ave., Summit, N.J. (Oct. '09)

Bassett, Charles K., Secy., Buffalo Meter Co., 2917 Main St., Buffalo 14, N.Y. (June '21)

Bassett, George B., Civ. Engr., 270 Depew Ave., Buffalo 14, N.Y. (Apr. '09) *M*

Bastian, Edward D., 64 Clark Court, Rutherford, N.J. (Jan. '48) *P*

Batavia Water Dept., Nelson M. Fuller, Supt., City Hall, Box 358, Batavia, N.Y. (Corp. M. Apr. '37) *MPR*

Bateman, Clarence E., Jr., Asst. Engr., Water Dept., Utilities Bldg., Jacksonville 2, Fla. (Jan. '47)

Bateman, Robert C., Tech. Service, Chemicals Div., Virginia-Carolina Chemical Corp., Richmond 5, Va. (Jan. '48)

Bates, Francis, *see* Vernon, City of

Bates, R. W., Water Bureau Supervisor, Public Service Dept., 174 W. Magnolia Blvd., Burbank, Calif. (Oct. '37) *MP*

Bates, Ralph D., Dist. Engr., Div. of Sanitation, State Dept. of Health, 65 Court St., Buffalo 2, N.Y. (Feb. '21) *P*

Bath Elec., Gas & Water System, Frank Nollett, Supt. of Utilities, Bath, N.Y. (Mun. Sv. Sub. July '45) *M*

Baton, Warren U. C., Assoc. Director, Baton Anal. Lab., 6101 Penn Ave., Pittsburgh 6, Pa. (Apr. '09) *P*

Batten, O. S., Civ. & Mining Engr., Pikeville, Ky. (Jan. '47)

Baty, James Bernard, Assoc. Prof., Civ. Eng., A & M College, College Station, Tex. (Apr. '37) *P*

Bauer, E. E., Mgr., Central Dist., Peerless Pump Div., 4554 N. Broadway, Chicago 40, Ill. (July '48)

Bauer, L. G., Foreman, Meter Repairs, City Water Dept., 639 Bryant St., San Francisco, Calif. (Mar. '31)

Baum, W. S., Prin. Engr., Burns & McDonnell Eng. Co., Box 7088, Kansas City 2, Mo. (July '44) *P*

Baumann, Edward Robert, Special Research Assoc. in San. Eng., College of Eng., Univ. of Illinois, 908 E. Washington St., Urbana, Ill. (Jan. '47) *P*

Baumberger, R. E., *see* Boulder Water Dept.

Baumgartner, William H., Supervisor, Field Tech. Service, E. I. du Pont de Nemours & Co., Grasselli Chemicals Dept., Wilmington 98, Del. (Jan. '36) *P*

Baun, James R., Water & Sewer Supt., Box 72, Moses Lake, Wash. (Apr. '46) *MP*

Bausher, L. W., Asst. Engr., Bureau of Water & Sewerage, Municipal Bldg., Akron, Ohio (Jan. '48)

Bavone, A. L., Dist. San. Engr., 1st Dist. Health Unit, Minot, N.D. (July '43) *MP*

Baxter, Clarence J., Supt. of Utilities, City Hall, Marion, Kan. (Oct. '46)

Bayard, G. A., Secy., Keystone Contractors, Ltd., Box 85, Windsor, Ont. (Apr. '48)

Bayles, John H., Supt., Water Dept., Box 247, Chagrin Falls, Ohio (July '47) *MPR*

Baylis, John R., Engr. of Water Purif., Bureau of Eng., 1643 E. 86th St., Chicago 17, Ill. (Oct. '15) *Goodell Prize '32. Fuller Award '39. Honorary M. '46. P*

Baylor, Charles L., Village Engr., Village Water Dept., 1041 Burlington St., Downers Grove, Ill. (Oct. '42) *M*

Bayonne, City of, J. Leonard Lindner, Supt., Water Dept., Gate House, Belleville Turnpike, Arlington, N.J. (Corp. M. Apr. '41)

Baytes, James C., Owner, Culligan Soft Water Service Co., 2955 Coolidge, Berkeley, Mich. (Oct. '45)

Beach, A. K., Dist. Mgr., Peoples Water Service Co. of Louisiana, Inc., Tallulah, La. (Apr. '47)

Beacham, J. G., City Engr. & Supt., Water Works, Athens, Ga. (Dec. '30)

Beadle, W. N., *see* Byron Jackson Co.

Beall, R. R., Box 446, Hazard, Ky. (Affil. Oct. '42)

Beam, R. C., *see* Armco Drainage & Metal Products, Inc.

Bean, Elwood L., Prin. Asst. Engr., Bureau of Water, 832 City Hall Annex, Philadelphia 7, Pa. (Apr. '28) *P*

Beane, Sidney C., Supt., Weymouth Water Works, Town Hall, East Weymouth 89, Mass. (Apr. '48)

Bear, Ernest J., *see* Livingston Water Dept.

Beard, George H., Branch Mgr., Layne-Western Co., 4430 Commercial Ave., Omaha 11, Neb. (Jan. '45)

Beard, Kennan H., Mgr., Del Este Water Co., 726—10th St., Modesto, Calif. (Jan. '39) *M*

Beard, R. C., Supt. of Constr. & Maint., Arlington County Water Dept., Box 204, Rosslyn Station, Arlington, Va. (Oct. '43)

Bearden, Walter C., Partner, Carter & Bearden, 407 Legal Bldg., Asheville, N.C. (Oct. '46)

Beatty, C. E., Supt., Water Works, City Bldg., Middletown, Ohio (Oct. '45) *MP*

Beatty, Melvin, Supt., Water Dept., 641 Notre Dame, Grosse Pointe, Mich. (July '47)

Beatty, Roy L., Mgr., Water Dept., Glasgow, Ky. (Jan. '40) *M*

Beaumont, H. D., Supt. of Utilities, Hearne, Tex. (Jan. '44) *M*

Beauvais, Philip H., City Mgr., City Hall, Allegan, Mich. (July '46)

Beaver Dam Munic. Water Dept., Oscar Bedker, Supt., 154 Prospect Ave., Beaver Dam, Wis. (Corp. M. Jan. '41)

Beavin, B. Everett, Cons. Engr., J. E. Greiner Co., 1201 St. Paul St., Baltimore 2, Md. (Jan. '35) *M*

Beazley, Charles L., Deputy Minister of Munic. Affairs, Box 216, Halifax, N.S. (Jan. '48)

Beazley, W. G., Purif. Chemist, Div. of Water Supply, Box 1080, Norfolk, Va. (Oct. '45) *P*

Bechert, C. H., *see* Indiana Dept. of Conservation

Bechtold, Harry F., Supt., Water Dept., City Hall, N. 9th St., Lebanon, Pa. (Jan. '45) *P*

Beck, Arthur N., Chief Engr. & Director, Bureau of Sanitation, State Health Dept., 519 Dexter Ave., Montgomery 4, Ala. (Apr. '38) *MPR*

Beck, W. M., Supt., Water & Lights, Lexington, N.C. (Jan. '47)

Becker, Elmer W., Asst. Engr. of Distr., Water Constr. Div., Water Works, 401 City Hall, Milwaukee, Wis. (Jan. '36) *MR*

Becker, Morris, Civ. Engr. (San.), Dept. of Water Supply, Gas & Elec., 2400 Municipal Bldg., New York 7, N.Y. (Oct. '43) *PR*

Becker, William H., Owner & Mgr., Neptune Equipment Co., 306 E. 8th St., Cincinnati 2, Ohio (Apr. '41)

Beckett, Humphrey, Lanham, Md. (Apr. '41) *M*

Beckett, R. C., State San. Engr., State Board of Health, Dover, Del. (Sept. '24) *PR*

Beckman, Leroy J., Field Engr., Wallace & Tiernan Co., Inc., 1229 W. Washington Blvd., Chicago 7, Ill. (Apr. '43)

Beckman, Wallace J., 1930—64th St., Brooklyn, N.Y. (Jr. M. Apr. '47)

Beckwith, Homer E., Dist. Mgr., The Pitometer Co., 429 Penn Ave., Pittsburgh 22, Pa. (Apr. '29)

Bedford, Town of, S. H. Meem Jr., Town Mgr., Municipal Bldg., Bedford, Va. (Corp. M. Oct. '45) *M*

Bedker, Oscar, *see* Beaver Dam Munic. Water Dept.

Beebe, Lawrence, Asst. Chemist, Water Works, 1140 Davis Ave., N.W., Grand Rapids, Mich. (Jan. '48)

Beenfeldt, Norman, Div. Engr., California Water & Telephone Co., 439 Tyler St., Monterey, Calif. (Jan. '44) *MPR*

Beeny, Raymond, Secy.-Treas., Alabama Gas Co., Watts Bldg., Birmingham 1, Ala. (Oct. '31)

Beermann, Paul, Engr., Water Dept., 903 Civic Center, San Diego 1, Calif. (Oct. '38) *M*

Beers, W. D., City Engr., Salt Lake City Corp., 401 City & County Bldg., Salt Lake City 1, Utah (July '44)

Beeson, Frank A., City Engr., 130 W. 6th St., Newton, Kan. (Jan. '48)

Beeville Water Works & Sewer Dept., C. R. Brock, Supt., Beeville, Tex. (Corp. M. Jan. '47)

Behlmer, Harold H., Engr. & Asst. Supt., Water Works, Water Works Dept., Fargo, N.D. (Jan. '44) *MP*

Behring, Walter E., Supt., Water Filtration Plant, Post Engrs., Area No. 4, Camp Pickett, Va. (July '44)

Behrman, A. S., Cons. Chem. Engr., 9 S. Clinton St., Chicago 6, Ill. (Feb. '25)

Beiswanger, G. J., Cashier, City Water Dept. & Secy., Board of Water Comrs., Box 958, Billings, Mont. (Jan. '40)

Belcher, Donald M., *see* Chapman Valve Mfg. Co.

Belco Industrial Equipment Div., Vincent F. Lamela, Gen. Mgr. in Charge of Sales, 52 Iowa Ave., Paterson 3, N.J. (Assoc. M. July '46)

Beling, Earl H., Chief Engr. & Owner, Beling Eng. Consultants, 1407—7th Ave., Moline, Ill. (July '47) *MPR*

Bell, Bennie C., Gen. Foreman, Sewer, Plumbing & Water Purif. Dept., Davis Air Force Base, U. S. Army, APO 980, c/o Postmaster, Seattle, Wash. (July '47) *MPR*

Bell, Edward Arthur, Water Supt., Essex Fells, N.J. (July '37) *M*

Bell, F. Homer, Southern Repr., Philadelphia Quartz Co., 2624 Forrest Way, N.E., Atlanta, Ga. (Oct. '44)

Bell, G. E., Supt. of Utilities, Fairbury, Neb. (July '46) *M*

Bell, George R., Sr. Research Chemist, Filtration Sec., Johns-Manville Research Center, Manville, N.J. (Jan. '47) *P*

Bell, Grant S., Partner, Howard K. Bell, Cons. Engrs., 553 S. Limestone St., Lexington 17, Ky. (Oct. '39) *MPR*

Bell, W. O., Supt. of Utilities, Kilgore, Tex. (Oct. '46)

Bell, Willard J., Dist. Mgr., Wallace & Tiernan Co., Inc., 416 Flour Exchange Bldg., Minneapolis 15, Minn. (May '30) *P*

Belleville Public Utilities Com., Oswald H. Scott, Gen. Mgr., 277 Front St., Belleville, Ont. (Corp. M. Apr. '34) *MP*

Belli, Condido, Supt. of Public Works, Saddle River Township Water Dept., 236—5th St., Rochelle Park, N.J. (Apr. '43)

Bellingham Water Dept., Henry J. Donnelly, Water Supt., City Hall, Bellingham 21, Wash. (Corp. M. Jan. '40) *MPR*

Bellows, Clyde, Box 741, Fort Worth, Tex. (Apr. '47)

Bellville Water Dept., Elgin Ueckert, Operator, Bellville, Tex. (Corp. M. Apr. '46)

Beltz, John H., Director, Bell & Beltz, Chemists, 3432 N. Broad St., Philadelphia 40, Pa. (Jan. '36) *P*

Belvidere Water Dept., Arthur M. Eby, Supt., 123 S. State St., Belvidere, Ill. (Corp. M. Jan. '48) *M*

Bemuel, Nickolas, Jr., Supt., Water Dept., City Hall, Tell City, Ind. (Jan. '44) *M*

Benas, Benjamin, Supt., Richmond-Sunset Sewage Treatment Plant, 4545 Lincoln Way, San Francisco 22, Calif. (Oct. '34) *MP*

Bendel, Harold W., R.D. 1, Troy Hills Rd., Whippany, N.J. (Jan. '48) *P*

Bender, Eugene J., Board Member, East Jefferson Water Works No. 1, 661 Central Ave., New Orleans 20, La. (Oct. '42)

Bender, George C., Jr., Sales Engr., Rockwell Mfg. Co., 1342 Cherry St., Kalamazoo, Mich. (Apr. '39)

Benedict, Sydney J., Sr. Hydr. Engr., Bureau of Water, 209 City Hall, Portland 4, Ore. (Dec. '28) *M*

Benedum, Burtis A., Supt., Las Flores Water Co., 428 Sacramento St., Altadena, Calif. (Jan. '45)

Benham, Webster L., Sr. Member of Firm, Benham Eng. Co., Cons. Engrs., 550 American National Bldg., Oklahoma City, Okla. (Apr. '46) *P*

Benjamin, Edward, Secy., Countryside Water Co. of Illinois, 10 S. LaSalle St., Chicago 3, Ill. (Apr. '46)

Benjamin, J. F., *see* Warren Foundry & Pipe Corp.

Benjamin, Roselle G., Supt., Water Dist., 220 Roanoke Ave., Riverhead, N.Y. (July '35) *M*

Benner, Hugh A., Director of Public Works, City Hall, Saginaw, Mich. (Jan. '48)

Bennett, Boyd A., c/o City Hall, Clearwater, Fla. (Jan. '37) *MP*

Bennett, James H., Supt., Public Works, San Clemente, Calif. (Oct. '41) *MPR*

Bennett, Leon, Supt., Water & Sewage, 905 N. Burns, Holdenville, Okla. (Oct. '44)

Bennett, Richard, Hydr. Engr., 845 N. 4th Ave., Phoenix, Ariz. (Apr. '29) *M*

Bennett, Robert R., Dist. Geologist, U.S. Geological Survey, Johns Hopkins Univ., 103 Latrobe Hall, Baltimore 18, Md. (Apr. '47) *R*

Bennett, Schuyler M., Sr. Water Treatment Operator, Dept. of Water & Power, 3004 Petite Court, Los Angeles 26, Calif. (Oct. '32)

Bennett, Walter H., *see* Owosso Water Dept.

Benoit, Jacques E., Dist. Sales Mgr., Wallace & Tiernan, Ltd., 1502 St. Catherine, W., Montreal 25, Que. (Jan. '47) *P*

Benson, K. E., Cons. Engr., 213 Boyce Greely Bldg., Sioux Falls, S.D. (Jan. '47)

Bentley, Ralph E., Secy.-Treas., Passaic Valley Water Com., 137 Ellison St., Paterson 1, N.J. (Apr. '43) *M*

Benton, Joseph S., Supt., Board of Water & Light Comrs., 407 Delaware St., New Castle, Del. (Jan. '46)

Beohner, Harry L., Vice-Pres., The Permutit Co., 330 W. 42nd St., New York 18, N.Y. (Apr. '46) *PR*

Bequer y Herrera, Gustavo A., San. Engr., Calle 19 No. 711, Entre Paseo y a, Vedado, Havana, Cuba (July '38)

Berberich, Norbert M., Chemist, Water Works, 2114—1st Ave., N., Birmingham 3, Ala. (Jan. '48) *MP*

Berdell, Charles P., Sales Dept., General Chemical Div., Allied Chemical & Dye Corp., Box 970, Charlotte, N.C. (Oct. '47) *P*

Berk, Ralph G., Hydr. Engr., Multipurpose Reports Sec., U.S. Engr. Office, 575 Riverside Ave., Jacksonville, Fla. (July '41) *PR*

Berkeley, Winston H., Plant Supt., Water Dept., City Hall, Lewiston, Idaho (Jan. '39) *P*

Berkey, Fred L., Supt., Water Com., City Hall, Tillamook, Ore. (Mar. '31) *M*

Berkowitz, Sidney A., Regional San. Engr., State Board of Health, Box 3187, Orlando, Fla. (Jan. '46) *P*

Berkstresser, H. L., Supt. of Water & Sewers, Panama City, Fla. (Jan. '45) *M*

Berlin Water Co., Phil. A. Shaffer, Mgr., 615 Main St., Berlin, Pa. (Corp. M. July '42)

Berliner, Samuel W., Assoc. Civ. Engr., Bureau of Water Works & Supply, 410 Ducommun St., Los Angeles 12, Calif. (Oct. '43)

Bernhardt, Carl J., Dist. San. Engr. State Dept. of Health, 601 Hotel Jamestown Bldg., Jamestown 53, N.Y. (Apr. '39) *P*

Berning, John, Supt., Water Dept., Redmond, Ore. (Apr. '43) *M*

Bernstein, Louis S., *see* Buffalo Niagara Elec. Corp.

Berry, Albert E., Director, San. Eng. Div., Ontario Dept. of Health, 235 Gainsborough Rd., Toronto 8, Ont. (June '20) *Fuller Award '38. Director '37–'40. MPR*

Berry, C. Radford, Chief Valuation Engr., Pennsylvania Public Utility Com., Harrisburg, Pa. (June '34) *M*

Berry, Clifton W., *see* Elwood Water Works & Sewage Plant

Berry, Garmon H., 410 Davidson St., Thomasville, N.C. (July '43) *MP*

Berry, Henry, Chairman, Metropolitan Water Board, New River Head, Rosebery Ave., London, E.C.1, England (July '44)

Berry, N. E., *see* Servel, Inc.

Berry, Ralph O., Mgr., Water Dept., 504—7th St., Moundsville, W.Va. (Oct. '47) *M*

Bertrand, Anatole, Pres., Board of Trade, L'Original, Ont. (Apr. '47)

Besozzi, Leo, Cons. Engr., 314 Hammond Bldg., Hammond, Ind. (May '34) *MPR*

Besterman, J. S., *see* Sewickley Comrs. of Water Works

Bethlehem, City of, Ario Wear, Director of Parks & Public Property, City Hall, Bethlehem, Pa. (Corp. M. Apr. '25)

Bethlehem Steel Co., H. O. Hill, Asst. Chief Engr., Bethlehem, Pa. (Assoc. M. June '24)

Bettenburg, P. C., & Co., Architects and Engrs., Donald W. Pung, San. Engr., 1437 Marshall Ave., St. Paul 4, Minn. (Corp. M. Apr. '47) *P*

Bettis, Herman, *see* Brown County Water Control & Improvement Dist. No. 1

Bettis, John Randolph, Asst. Mgr. & Engr., Comrs. of Public Works, 14 George St., Charleston, S.C. (July '48)

Betts, W. M., *see* Barada & Page, Inc.

Betz, John Drew, Asst. Gen. Mgr., W. H. & L. D. Betz, Gillingham & Worth Sts., Philadelphia 24, Pa. (Jan. '45) *P*

Betz, L. Drew, Gen. Mgr., W. H. & L. D. Betz, Gillingham & Worth Sts., Philadelphia 24, Pa. (Apr. '39) *P*

Beverly Hills Water Dept., John L. Perhab, Mgr., Box 390, Beverly Hills, Calif. (Corp. M. Sept. '26) *MP*

BeVier, Bradford V., San. Engr., City Bldg., Mansfield, Ohio (Jan. '48)

Bevington, Fred Earl, Maint. Supt., Clackmas County Housing Authority, Drawer 1, Milwaukie 2, Ore. (Affil. Jan. '42) *M*

Bevington, Warren C., Pres., Bevington, Taggart & Fowler, Inc., 730 K. of P. Bldg., Indianapolis 4, Ind. (Jan. '44) *MPR*

Beyer, Walter R., Business Mgr., Univ. & Utilities, Univ. of the South, Sewanee, Tenn. (Jan. '44) *M*

Bhoota, Baboobhai V., Taj Mahal Hotel, Bombay 1, India (July '45)
Bibeau, Joseph A., Supt., Public Works & Water Works, City Hall, St. Boniface, Man. (Oct. '42) *P*
Bickel, W. E., Mgr., Empire Pump & Process Co., 1337 St. Paul St., Denver 6, Colo. (July '46)
Bickelhaupt, W. V., Pres., Bickelhaupt, Inc., 1737 Summit Ave., Richmond 21, Va. (Jan. '47)
Bickford, Paul N., Civ. Engr., Bureau of Reclamation, U.S. Dept. of Interior, Ephrata, Wash. (Affil. Jan. '47) *R*
Biddle, Earl W., 2 Lenox Ave., Cranford, N.J. (Oct. '37)
Biddle, Herbert M., *see* Carolina Beach, Town of
Bidlack, Floyd E., Operating Engr., Munic. Water Works, 16 Wright St., Willoughby, Ohio (Oct. '47) *P*
Bidle, Kenneth A., Asst. to Gen. Mgr., Interstate Water Co., 141 N. Vermilion St., Danville, Ill. (Oct. '45) *MP*
Bidwell, Bruce, Owner & Mgr., Bidwell Water Co., Greenville, Plumas County, Calif. (Oct. '42)
Bierly, Glenn L., *see* Mansfield Water Works Brass Co.
Biggs, George W., Jr., 970 Park Ave., New York 28, N.Y. (June '16) *M*
Biggs, M. D., Supt., Water Works, City Water Dept., Martin, Tenn. (Oct. '40)
Biglow, P. K., Street & Water Supt., 312—10th St., Antioch, Calif. (Oct. '43)
Bilbrough, A. M., Toronto Mgr., Mussens, Canada Ltd., 111 Merton St., Toronto, Ont. (Apr. '43)
Billings, Clayton H., Sr. Engr., Bureau of San. Eng., State Dept. of Health, Austin 2, Tex. (Oct. '43) *P*
Billings, L. C., Supt. & Chief Chemist, Water & Sewage Treatment, Water Dept., City Hall, Dallas 1, Tex. (May '23) *MP*
Billings, Norman F., Hydrogeologist, Water Resources Sec., Dept. of Conservation, Lansing 13, Mich. (Apr. '48)
Binford, Thomas A., Civ. Eng. Assoc., Dept. of Public Works, Div. of Airports, 945—5th Ave., Los Angeles 6, Calif. (Oct. '45) *P*
Bingham & Taylor Corp., Joe H. Gardner, Pres. & Treas., 1401 Jefferson Davis Highway, Arlington, Va. (Assoc. M. Mar. '82)
Binghamton Bureau of Water, Grover E. Rickard, Supt., Municipal Bldg., Binghamton, N.Y. (Corp. M. July '35) *MP*
Binyon, Hugh A., Co-owner, Hydro Service Co., 620 Central Ave., St. Petersburg 5, Fla. (Oct. '47) *P*
Birch, William T., *see* Birch Mfg. Co.
Birch Mfg. Co., William T. Birch, Owner & Mgr., Birch Mfg. Co., 1523 Sedgwick St., Chicago 10, Ill. (Assoc. M. May '16)
Bird-Archer Co., George H. Sill, 4337 N. American St., Philadelphia 40, Pa. (Assoc. M. July '29)
Bird-Archer Co., Ltd., Harry Jensen, 503 McGill Bldg., Montreal, Que. (Assoc. M. Oct. '37)
Bird, Byron, 218 Kennedy Drive, Kenwood, Chevy Chase 15, Md. (July '24) *MPR*
Bird, Cyrus R., Vice-Pres. & Western Mgr., The Pitometer Co., 122 S. Michigan Ave., Chicago 3, Ill. (Mar. '22)
Bird, Harold E., Structural Eng. Assoc., Dept. of Water & Power, 207 S. Broadway, Los Angeles 12, Calif. (Oct. '43)
Bird, Harrington S., *see* National Lead Co. [Tahawus]
Bird, L. C., *see* Phipps & Bird, Inc.
Birdsall, Lewis I., Box 75, Glencoe, Ill. (June '13) *P*
Birdsboro Water Co., C. K. Manwiller, Treas., Birdsboro, Pa. (Corp. M. Jan. '44)
Birkeness, O. T., 418 Meacham Ave., Park Ridge, Ill. (May '30) *P*
Birkinbine, W. C., Maint. Engr., Housing Authority of Bremerton, Box 631, Bremerton, Wash. (Jan. '47) *M*
Birmingham Industrial Water System, J. D. Webb, City Engr., 304 City Hall, Birmingham 3, Ala. (Corp. M. Jan. '44) *MR*
Birmingham Water Co., Harold R. Bacon, Vice-Pres., 33 Elizabeth St., Derby, Conn. (Corp. M. May '09)
Birmingham Water Works Co., The, Alfred O. Norris, Vice-Pres. & Gen. Mgr., 2114—1st Ave., N., Birmingham, Ala. (Corp. M. July '47) *M*
Bischoff, Robert, 8 Lansing Ave., Troy, N.Y. (Jan. '41)
Bitsko, Andrew, 22 E. 11th St., New York 3, N.Y. (Apr. '48)
Bjork, Wilbur E., Service Dept., Water Works, 1003 Locust St., Des Moines 7, Iowa (Jan. '47)
Blach, Frederick S., 696 Madison Ave., New York 21, N.Y. (July '44)
Black, A. P., Prof. of Chemistry, Univ. of Florida, Gainesville, Fla. (Apr. '29) *Director '36–'39. Fuller Award '39. Vice-Pres. '48–'49. PR*
Black, B. H., Sales Engr., F. W. Hanks Co., 511 N. 11th St., Ft. Dodge, Iowa (Oct. '38) *MR*
Black, C. S., Supt., Water Works, 321 E. Somerset, Eaton, Ohio (Oct. '47)
Black, Charles A., Pres., Black Labs., Inc., 968 S. Oak St., Gainesville, Fla. (Jan. '46) *MPR*
Black, Ernest B., Partner, Black & Veatch, Cons. Engrs., 4706 Broadway, Kansas City 2, Mo. (June '13) *MP*
Black, Hayse H., Assoc. Prof. of San. Eng., College of Eng., Univ. of Iowa, Iowa City, Iowa (Oct. '33) *PR*

Black, Henry R., Asst. Supt. of Pumping Stations, Bureau of Water Supply, 503 Municipal Office Bldg., Baltimore 2, Md. (July '42) *M*

Black, Karl, Supt. of Installation & Maint. of Sewers, Water & Meters, City Hall, Muskegon, Mich. (Oct. '46)

Black, Lee C., *see* Georgetown, City of

Black, N. W., Mgr., Harris County Water Control & Improvement Dist. No. 11, 12761 Market St., Houston 15, Tex. (Jan. '46) *M*

Black, Wallace, Supt., Water Dept., 206 Bowden Rd., Cedar Grove, N.J. (July '43) *M*

Blackburn, Duncan A., Prin. Engr., Water Dept., 319 City Hall, Pasadena 1, Calif. (Jan. '41) *M*

Blackburn, Schuyler C., Prin. Assoc. Engr., Bureau of Water Supply, 508 Municipal Office Bldg., Baltimore 2, Md. (Jan. '42) *M*

Black Mountain, Town of, W. Dean Willis, Town Clerk, Black Mountain, N.C. (Corp. M. Jan. '47) *M*

Blackshaw, George E., Mgr., Merrick Div., New York Water Service Corp., 11 Smith St., Merrick, N.Y. (Oct. '45) *M*

Blackwelder, C. D., Vice-Pres in Charge of Eng., Reynolds Metals Co., Reynolds Metals Bldg., Richmond, Va. (May '26)

Blaik, D. L., Sales Mgr., Water Leak Detector Co., 114 N. 3rd St., Columbus 15, Ohio (Apr. '39)

Blain, J. S., Exec. Pres., Duarte Mutual Irrigation & Canal Co., 1015 Buena Vista, Duarte, Calif. (Jan. '47)

Blair, T. J., Jr., Pres., West Virginia Water Service Co., 814 Peoples Bldg., Charleston 5, W.Va. (Apr. '24)

Blair, W. R., Mgr., San Francisco Office, American Cast Iron Pipe Co., 302 Sharon Bldg., 55 New Montgomery St., San Francisco 5, Calif. (Oct. '37)

Blaisdell, F. Rodwell, Sr. San. Engr. & Div. San. Engr., State Board of Health, Raleigh, N.C. (Jan. '48) *MPR*

Blake, W. E., Sales Repr., Kennedy Valve Mfg. Co., Hollenden Hotel, Cleveland, Ohio (Jan. '47)

Blakeley, Loren E., Cons. Civ. Engr., 1112 Kilson Drive, Santa Ana, Calif. (July '42) *Fuller Award '48. PR*

Blakeman, H. W., Supt., Light & Water Dept., Rayville, La. (Jan. '36)

Blakeman, S. R., Supt., Water & Light Plant, Dyersburg, Tenn. (Jan. '27)

Blanchard, C. A., Water & Sewer Supt., Ephrata, Wash. (Jan. '41) *M*

Blanchard, Francis B., Mgr., Water Resources & Planning Div., East Bay Munic. Utility Dist., 512—16th St., Oakland 4, Calif. (July '47) *R*

Blanchard, Jean, Supt., Water Works & Power Plant, 3120 Dessaulles St., St. Hyacinthe, Que. (Jan. '46) *MPR*

Blanchard, R. K., Vice-Pres. & Engr., Neptune Meter Co., 50 W. 50th St., New York 20, N.Y. (June '19) *Fuller Award '42. M*

Bland, Joe, Owner, Joe Bland Constr. Co., Box 1158, Austin, Tex. (Oct. '46)

Blankenship, Reginald L., Contractor, Public Works, Blankenship & Carneal, 804 W. 29th St., Richmond, Va. (July '40)

Blasing, C. J., Supt., Water & Light Dept., Virginia, Minn. (Jan. '47)

Bleakley, E. A., Mgr., Culligan Soft Water Service Co., 902 Ferry St., Lafayette, Ind. (Apr. '48)

Blesse, John H., Chief Chemist, Water Works, E. Superior Ave., Jacksonville, Ill. (July '45) *P*

Blevins, L. P., Partner, Blevins Water Wells, Natchitoches, La. (Jan. '44)

Blidberg, Per Gustaf, Waterworks, Gothenburg, Sweden (Jan. '47)

Bliss, B. F., Gen. Mgr. & Vice-Pres., Independence Water Works Co., 123 W. Kansas, Independence, Mo. (Jan. '42)

Block, John B., Mgr., Water Works, Marion, Ala. (July '48)

Blom, E. W., City Mgr., Box 391, Redwood City, Calif. (Jan. '46)

Blomquist, H. F., Supt., City Water Works, Cedar Rapids, Iowa (May '17) *MP*

Bloodgood, Don E., Prof. of San. Eng., Civil Engineering Bldg., Purdue Univ., Lafayette, Ind. (Jan. '44) *P*

Bloomfield, Town of, Joseph W. Obreiter, Town Engr., Bloomfield, N.J. (Corp. M. Oct. '37) *MPR*

Blote, Martin H., Chief, Irrigation Operations, Region 2, U.S. Bureau of Reclamation, 1101 California Fruit Bldg., Sacramento, Calif. (Oct. '46) *R*

Blum, Hans A., Sales Repr., General Chemical Div., Allied Chemical & Dye Corp., 234 Hurt Bldg., Atlanta, Ga. (Apr. '45) *P*

Blum, Louis D., C.P.A., 110 E. 42nd St., New York 17, N.Y. (June '29) *M*

Blumberg, Oscar C., Assoc. San. Engr., Bureau of San. Eng., State Dept. of Public Health, 2180 Milvia St., Berkeley 4, Calif. (Feb. '30) *P*

Blume Burbank, Roberto, San. Engr., Ministry of Public Works, Calle Francia 329, Miraflores, Lima, Peru (Oct. '47)

Blundon, J. Paul, Cons. Engr., Law Bldg., Keyser, W.Va. (Apr. '30) *MP*

Blythe, Municipal Authority of Township of, H. W. Esterley, Mgr., Management Div., Water Works, 22 S. 2nd St., Pottsville, Pa. (Corp. M. Jan. '46) *M*

Boardman, John, City Engr. & Water Supt., Brawley, Calif. (Jan. '36) *MP*

Boardman, John, Engr., Interstate Com. on the Delaware River Basin, 341 Broad St. Station Bldg., Philadelphia 3, Pa. (Apr. '44) *PR*

Boardman, William H., Civ. Engr., 426 Walnut St., Philadelphia, Pa. (Apr. '09)

Bock, A. W., Gen. Supt., Texas Water Co., Box 7008, Fort Worth, Tex. (Oct. '39)

Bock, Fred F., Exec., Artesian Well & Equipment Co., 30 Church St., New York 7, N.Y. (Apr. '42) *R*

Bodach, Charles M., Research Chemist, Dearborn Chemical Co., 1029 W. 35th St., Chicago 9, Ill. (July '45) *P*

Bodishbaugh, Don, Service Supervisor, Dearborn Chemical Co., 2113 E. Mulberry St., Evansville 14, Ind. (Apr. '37)

Bodnar, John L., Civ. Eng. Draftsman, Dept. of Water & Power, 822 W. 109th Pl., Los Angeles 44, Calif. (July '48)

Boerner, Fred H., Supt., City Water Works, Mount Carroll, Ill. (Apr. '48)

Boes, Robert J., Research Asst., Chem. Eng. Div., Inst. of Textile Technology, Charlottesville, Va. (Oct. '42) *P*

Boezinger, H., Pacific Coast Dist. Mgr., Rockwell Mfg. Co., 3136 E. 11th St., Los Angeles 23, Calif. (Oct. '42)

Bogart, Dean B., Hydr. Engr., U.S. Geological Survey, Box 348, Coconut Grove 33, Fla. (July '45) *R*

Boger, Robert F., *see Engineering News-Record*

Bogert, Clinton L., Cons. Engr., 624 Madison Ave., New York 22, N.Y. (Jan. '24) *R*

Boggio, James, Supt., Water & Sewer Dept., City Water Dept., Bessemer, Mich. (July '46)

Boggs, Harry, Partner, Herdrich, Boggs & Co., C.P.A., 803 Electric Bldg., Indianapolis 4, Ind. (Mar. '30) *M*

Bogren, George C., Partner, Weston & Sampson, Cons. Engrs., 14 Beacon St., Boston 8, Mass. (Apr. '46) *P*

Bohannon, F. D., *see* Murphysboro Water Co.

Bohmann, H. P., 2019 E. Kenwood Blvd., Milwaukee 11, Wis. (May '13)

Bolieau, Clifton W., Sr. Mech. Engr., Design Div., Tennessee Valley Authority, 206 Union Bldg., Knoxville, Tenn. (Apr. '42) *P*

Boling, Fred E., Supt., Water Works, 500 National Ave., West Terre Haute, Ind. (Apr. '44) *MP*

Bollenbach, W. M., *see* Johnson, Edward E., Inc.

Bolson, John W., *see* Oconomowoc Water Dept.

Bolton, Harry M., Supt. of Public Works & City Engr., Board of Public Works, Geneva, N.Y. (Apr. '47)

Boncher, Hector P., Gen. Mgr., Dresser Mfg. Div., Dresser Industries, Inc., 41 Fisher Ave., Bradford, Pa. (Jan. '37)

Bond, Horatio, Chief Engr., National Fire Protection Assn., 60 Batterymarch St., Boston 10, Mass. (July '39) *M*

Bond, Philip E., Owner, Tighe & Bond, Cons. Engrs., 189 High St., Holyoke, Mass. (Jan. '48)

Bonham, H. E., Assoc., Paul A. Uhlmann & Assoc., 1441 N. High St., Columbus 2, Ohio (Jan. '44) *P*

Bonham Water Dept., R. A. Jackson, Supt., City Hall, Bonham, Tex. (Corp. M. Jan. '44)

Bonsal, W. R., Co., Inc., William Roscoe Bonsal Jr., Pres., Hamlet, N.C. (Assoc. M. Jan. '48)

Bonsal, William Roscoe, Jr., *see* Bonsal, W. R., Co., Inc.

Bonsib, Roy S., Indus. Hygienist, Standard Oil Co. (N.J.), 30 Rockefeller Plaza, New York 20, N.Y. (Jan. '43) *MP*

Bonyun, Richard E., Gen. Supt. & Chief Engr., Passaic Valley Water Com., Box 2180, Paterson 1, N.J. (Oct. '35) *M*

Boone Water Dept., Boone, Iowa (Corp. M. Jan. '40)

Booth, A. A. K., Assoc. Prof., Rational & Tech. Mechanics, Rensselaer Polytechnic Inst., 2 Bolivar Ave., Troy, N.Y. (Oct. '40) *M*

Booth, Edward J., City Engr. & Water Works Supt., City Hall, Bismarck, N.D. (Jan. '46)

Booth, George W., Chief Engr., National Board of Fire Underwriters, 85 John St., New York 7, N.Y. (Feb. '24) *Honorary M. '45. R*

Boquist, Walter H., Comptroller, Hackensack Water Co., 4100 Park Ave., Weehawken, N.J. (Jan. '41)

Borchardt, Jack A., Instructor in Civ. Eng., Hydr. & San. Lab., Univ. of Wisconsin, Madison, Wis. (Apr. '47)

Borchers, F. W., *see* Bristol Co., The

Borcina, David M., *see* Lead Industries Assn.

Borden, Benjamin F., Jr., Chief Engr., Smith & Gillespie, Engrs., Box 1048, Jacksonville, Fla. (Jan. '48)

Borden, Moro M., Eng. Consultant, Simplex Valve & Meter Co., 68th & Upland Sts., Philadelphia 42, Pa. (June '12) *MPR*

Border, W. R., Supt. of Water & Sewers, 304 E. Koch St., Bozeman, Mont. (Apr. '47)

Borders, John W., *see* Socony-Vacuum Oil Co.

Borgeson, Clarence J., Supervising Civ. Engr., East Bay Munic. Utility Dist., 512 —16th St., Oakland 4, Calif. (Jan. '47) *M*

Borgford, T. B., 4019 Hingston Ave., N.D.G., Montreal, Que. (Jan. '37)

Boriss, Marion E., 21 City Hall, Chattanooga 2, Tenn. (Jan. '44) *M*

Bork, J. F., Treas. & Gen. Mgr., East Brainerd Utility Dist., 100 E. Brainerd Rd., Chattanooga 4, Tenn. (Jan. '41) *M*

Borland, R. E., City Mgr., City Hall, Silverton, Ore. (Apr. '46) *M*

Bornemann, George F., Supt., Water Dist., Central Ave., Massapequa, N.Y. (Apr. '38) *M*

Borst, George E., Mgr., Philadelphia Office, Chicago Bridge & Iron Co., 1700 Walnut St., Philadelphia 3, Pa. (Apr. '44) *P*

Borton, Fred W., Box 547, Highlands, N.C. (Apr. '42)

Bosch, A. D. (Miss), *see* National Automatic Sprinkler & Fire Control Assn.

Bosch, Herbert M., Chief, Environmental Sanitation Sec., State Dept. of Health, University Campus, Minneapolis 14, Minn. (Sept. '29)

Bosworth, R. F. D., *see* Newmarket Water Dept.

Both, Jack, Mgr., Diamond Construction & Eng. Co., 18 Gordon St., Belleville, Ont. (Jan. '45)

Botset, J. W., City Engr. & Water Supt., 200 S. Michigan St., Plymouth, Ind. (Apr. '45)

Bottelsen, W. H., *see* Oakmont Water Authority

Botten, H. H., Asst. Mgr., Washington Surveying & Rating Bureau, Box 1818, Seattle 11, Wash. (Jan. '24) *MPR*

Boucher, George, *see* Paris Public Utilities Com.

Boudreau, A. J., Supt., Water & Light, Keewatin, Minn. (Oct. '40) *M*

Boulder Water Dept., R. E. Baumberger, City Mgr., Boulder, Colo. (Corp. M. Jan. '27)

Bourbon Copper & Brass Works Co., 618 E. Front St., Cincinnati 2, Ohio (Assoc. M. Apr. '84)

Bourgin, Charles G., Supt., Bureau of Water Supply, 54 Watchung Ave., Montclair, N.J. (July '37) *MPR*

Boutall, Charles A., Vice-Pres., East Jefferson Water Works No. 1, Route 3, East End, Box 510, Jefferson Parish 19, La. (Oct. '42)

Bovard, Paul F., California Filter Co., 981 Folsom St., San Francisco 7, Calif. (Aug. '26) *P*

Bovee, Clifton, Caixa Postal 201, Vitoria, Espirito Santo, Brazil (Oct. '40)

Bow, Wilson F., Engr. in Charge, San. Eng. Sec., Div. of Public Health Eng., State Dept. of Health, 1406 Smith Tower, Seattle 4, Wash. (Jan. '39) *MP*

Bowe, Thomas F., Partner, Bowe, Albertson & Assoc., Engrs., 110 William St., New York 7, N.Y. (Feb. '20)

Bowelle, Bert, Asst. Div. Engr., Constr. Dept., Hanford Works, General Elec. Co., Box 336, Richland, Wash. (Jan. '48)

Bowen, Charles Stanley, 95 Wellington St., Kew, Victoria, Australia (Feb. '29)

Bowen, E., Supt., Water Dept., City Hall, 204 E. Market St., Aberdeen, Wash. (Jan. '43) *P*

Bowen, Edward R., Cons. Engr., 108 W. 6th St., Los Angeles 14, Calif. (July '36)

Bowen, M. R., *see* Whittier, City of

Bowen, Milton M., *see* Hill, Hubbell & Co. Div.

Bowen, William C., Engr., Spartanburg Water Works, Filtration Plant, R.F.D. No. 2, Chesnee, S.C. (Apr. '46) *P*

Bowering, Reginald, Director, Div. of Public Health Eng., Dept. of Health & Welfare, Parliament Bldgs., Victoria, B.C. (Oct. '41) *P*

Bowers, Herbert L., Service Mgr., The Permutit Co., 330 W. 42nd St., New York 18, N.Y. (Jan. '36) *P*

Bowers, Samuel W., Supt. & Engr., Water Dept., 65 High St., Southington, Conn. (Apr. '43) *M*

Bowlby, H. V., *see* Stannard Power Equipment Co.

Bowler, Paul D., c/o International Water Corp., 712 Highland Bldg., Pittsburgh 6, Pa. (Apr. '47)

Bowman, Abraham M., Supt. of Public Utilities, Elmira, Ont. (Oct. '19) *Fuller Award '39. M*

Bowman, Ernest, *see* Marinette Water Com.

Bowman, Harry B., 2642 Baird Blvd., Camden, N.J. (Jan. '38)

Bowne, Sidney B., 222 Front St., Mineola, N.Y. (May, '24) *R*

Bowser, Orval A., Supt., Water Works, Box 21, Kittanning, Pa. (Apr. '40)

Boxley, Jack D., Mgr. & Secy., Sewerage & Water Works Com., 112 E. 7th St., Box 31, Hopkinsville, Ky. (Apr. '43) *MPR*

Boyce, Earnest, Prof. of Munic. & San. Eng., Chairman, Dept. of Civ. Eng., College of Eng., Univ. of Michigan, 304 W. Engineering Bldg., Ann Arbor, Mich. (Apr. '26) *PR*

Boyce, Marvin R., Boyce Co., 504 Pennsylvania Ave., Clearwater, Fla. (Oct. '46)

Boyd, Bryan, Water Supt., Three Rivers, Tex. (Oct. '46)

Boyd, George E., Mgr., Hot Enamel Sales, Koppers Co., Inc., 350—5th Ave., New York 1, N.Y. (May '31) *P*

Boyd, H. W., Supt., Water Dept., Box 22, Williamstown, W.Va. (Affil. Jan. '39) *MPR*

Boyer, Allen, Supt., Water Dept., Hoquiam, Wash. (Jan. '47)

Boyer, Bruce R., Supt. of Water Works, Water Dept., City Hall, Cloquet, Minn. (Jan. '47)
Boykin, H. P., Assoc. Prof. of Civ. Eng., Virginia Military Inst., Lexington, Va. (Oct. '34)
Boyle, John L., Dist. Mgr., Pacific States Cast Iron Pipe Co., 501-02 Spalding Bldg., Portland 4, Ore. (Jan. '35)
Boyle, W. J., *see* Thorold Public Utilities Com.
Boyle, William J., Salesman, Hays Mfg. Co., Wolcottville, Ind. (July '47)
Boyles, Richard H., Mgr.-Resident Engr., Fox Chapel Authority, Fox Chapel Rd., Pittsburgh 15, Pa. (July '40) *MP*
Boyles, X. P., Dist. Engr., State Dept. of Health, Court House, Fort Dodge, Iowa (Jan. '47)
Boynton, E. W., Pres., Northern Gravel Co., Box 307, Muscatine, Iowa (Oct. '44)
Boynton, Lew H., Registrar, Water Works, City Hall, Grand Rapids 2, Mich. (July '46) *M*
Boynton, Perkins, Chief Chemist, Water Board, 228 Sumner St., Clarksburg, W.Va. (June '20) *Fuller Award '40. P*
Boynton, Robert S., Gen. Mgr., National Lime Assn., 927—15th St., N.W., Washington, D.C. (Jan. '47)
Bozeman, City of, M. E. Henderson, Director of Service, City Hall, Bozeman, Mont. (Corp. M. Jan. '33) *MPR*
Brackney, Fred, *see* Canon City Water Dept.
Brader, Ralph L. J., 1609 Washington Ave., Northampton, Pa. (Jan. '45)
Bradford, F. H., *see* Valve & Primer Corp.
Bradlee, Warren R., Civ. & San. Engr., Smith Eng. & Construction Co., Drawer 1831, Pensacola, Fla. (Apr. '47)
Bradley, Charles J., *see* Dayton Foundry
Bradley, G. S., Asst. Dist. Mgr., Charleston, W.Va., Div., West Virginia Water Service Co., 181 Summers St., Charleston, W.Va. (Jan. '44) *M*
Bradley, J. F., Chief Engr., Dept. of Water Works, R.F.D. No. 5, Valparaiso, Ind. (Feb. '21) *Life M. P*
Bradley, John C., Mgr., Charlotte Sales Office, General Chemical Div., Allied Chemical & Dye Corp., 818 Tuckaseegee Rd., Charlotte, N.C. (July '47) *P*
Bradshaw, P., Test Engr., Neches Power Station, Production Dept., Gulf States Utilities Co., Beaumont, Tex. (July '44) *P*
Brady, E. J., Maint. Supt., Div. of Water, 45 Richmond Ave., Buffalo 13, N.Y. (Oct. '47)
Bragg, Donald L., Asst. Supt. & Secy., Water Works, 35 N. Main St., Council Bluffs, Iowa (Jan. '48) *M*
Bragstad, R. E., City Engr., City Hall, Sioux Falls, S.D. (Jan. '48)
Braidech, Mathew M., Director, Research Div., National Board of Fire Underwriters, 85 John St., New York 7, N.Y. (May '30) *Goodell Prize '36. P*
Brainard, Elliott E., Treas., Lock Joint Pipe Co., Box 269, East Orange, N.J. (Jan. '37)
Brakenridge, C., Cons. Engr., 3450 W. 3rd Ave., Vancouver, B.C. (Nov. '23) *PR*
Braman, Thomas G., Mgr., The Citizens Water Co. of Washington, Pa., 62 E. Wheeling St., Washington, Pa. (Oct. '40) *M*
Bramman, M. T., Pacific Coast Sales Mgr., National Cast Iron Pipe Div., 1930 W. Olympic Blvd., Los Angeles 6, Calif. (Jan. '43) *P*
Brampton Water Com., J. Patterson, Chairman, Brampton, Ont. (Corp. M. Feb. '23)
Branch, William A., *see* Anderson, City of
Brandis, Fred E., Supt., Munic. Water Works, Blaine County, Chinook, Mont. (Mar. '25) *Fuller Award '39. M.*
Brandon, Oliver K., Elec. Repairman, Wichita Water Supply, City Bldg., Wichita, Kan. (Jan. '47) *P*
Brannock, Durant York, Chem. Engr. & Supt. of Sewage Treatment, 1509 Beal St., Rocky Mount, N.C. (Oct. '39) *MP*
Brantford Public Utilities Com., E. L. Cothard, Secy.-Treas., 32 Queen St., Brantford, Ont. (Corp. M. May '14) *MPR*
Brash, Victor G., Supervisor of Distr., Water Dept., 502 E. Henderson Ave., Tampa 2, Fla. (July '44)
Brashears, M. L., Jr., Dist. Geologist, U.S. Geological Survey, 226 P.O. Bldg., Jamaica 3, N.Y. (Apr. '44) *M*
Braun, Edward J., *see* Fond du Lac Water Dept.
Bray, Wesley R., Chief of Operations, Puerto Rico Aqueduct & Sewer Service, Box 2832, San Juan 12, Puerto Rico (Jan. '48) *MP*
Brazil, Charles, City Mgr., Taylor, Tex. (Jan. '47) *M*
Brazil City Water Works, Ted McCoy, Supt. of Utilities, 16 S. Washington St., Brazil, Ind. (Corp. M. Apr. '44)
Bready, Ira J., Dist. Mgr., Liquid Conditioning Corp., 1201 Traction Bldg., Cincinnati 2, Ohio (Jan. '38) *P*
Breakell, J., Chief Plant Engr., American Viscose Corp., Roanoke, Va. (Apr. '47) *PR*
Breckenridge, W. D., Borough Mgr., Grove City, Pa. (July '41) *MP*
Breeding, C. S., Secy.-Treas., Northfork-Clark Water Works, Northfork, W.Va. (Apr. '48)
Breedlove, Sam R., Field Engr., Wallace & Tiernan Co., Inc., 2614—23rd St., Lubbock, Tex. (Jan. '47) *P*

Brehm, Russell J., Chemist, Dept. of Water & Sewers, Box 563, South Miami, Fla. (July '43) *P*

Breimeister, Harry, Engr. in Charge, Research & Special Problems Div., Water Works, City Engr.'s Office, City Hall, Milwaukee 2, Wis. (Jan. '47) *M*

Breithaupt, J. C., *see* Kitchener Water Com.

Breitkreutz, Emil W., Asst. Engr., Water Distr. Div., Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Oct. '29) *M*

Bremser, Martin, Supt., Public Works, City Hall, West Bend, Wis. (Jan. '43) *MP*

Brendlen, J. H., Cons. Engr., 3776 Carlon, Houston 5, Tex. (Jan. '48)

Brennan, John R., Supt., Elizabeth Township Authority, Buena Vista, Pa. (Jan. '45)

Brennan, M. G., Vice-Pres., The Stearns-Rogers Mfg. Co., 1720 California St., Denver, Colo. (July '42)

Brennan, Ralph F., Supt., Munic. Water Treatment Plant, Daytona Beach, Fla. (Jan. '38)

Brenneke, A. M., Chappell, Stokes & Brenneke, Cons. Engrs., 312 Burt Bldg., Dallas 1, Tex. (Oct. '34) *R*

Brensley, Albert A., San. Engr., Warren & Van Praag, Inc., 277 W. Prairie St., Decatur, Ill. (Jan. '48)

Bresler, Sharon D., Chemist, Filtration Plant, E. North St., Lima, Ohio (July '47) *P*

Bressler, Walter S., Water Comr., Wayne, Neb. (July '46)

Bretz, C. E., Cons. Hydr. Engr., 612 Commerce Exchange Bldg., Oklahoma City, Okla. (Aug. '23) *P*

Brewer, C. M., Gen. Mgr., Temescal Water Co., 707 Main St., Corona, Calif. (July '48)

Brewer, E. E., Supt. of Water, Water Dept., City Hall, Shelton, Wash. (Apr. '41) *M*

Brewer, Howard Hawley, Civ. Eng. Assoc., Bureau of Water Works & Supply, Box 3669 Terminal Annex, Los Angeles 54, Calif. (July '42) *P*

Brewer, W. L., Sanitarian, Brazoria County Health Unit, Box 844, Angleton, Tex. (Oct. '46)

Brewster, John H., Dist. San. Engr., State Dept. of Health, 217 Lark St., Albany, N.Y. (Jan. '47) *P*

Briarcliff Manor, Village of, Irving Manahan, Supt., Public Works, Briarcliff Manor, N.Y. (Corp. M. Oct. '47)

Bricelyn, Village of, A. F. Cooper, Street & Water Comr., Bricelyn, Minn. (Corp. M. Jan. '47)

Brickenden, F. M., 82 Cordova St., Winnipeg, Man. (June '28)

Brickey, M. L., Gen. Mgr., Knox County Water Co., Fountain City, Tenn. (July '35) *MP*

Bridgeport Brass Co., W. J. Hawkins, Asst. Sales Mgr., Mill Products Div., 30 Grand St., Bridgeport 2, Conn. (Assoc. M. July '44)

Bridges, Carl, *see* Crothersville Water & Elec. Dept.

Briggs, John W., Asst. Supt., Water Dept., 230 W. Stephenson St., Freeport, Ill. (July '47) *M*

Briggs, R. E., Owner, Briggs Industrial Lab., 4312 Pacific Way, Los Angeles 23, Calif. (Oct. '45) *P*

Briggs, Raymond J., Cons. Engr., Raymond J. Briggs & Assoc., 619 Grove St., Boise, Idaho (Jan. '41) *MPR*

Briggs, W. A., Bitumen Co., W. Ronald Briggs, Pres., 3303 Richmond St., Philadelphia 34, Pa. (Assoc. M. Jan. '35)

Briggs, W. Ronald, *see* Briggs, W. A., Bitumen Co.

Bright, Marshall, Supt. of Water Filtration, Pacific Mills, 33 Groce St., Lyman, S.C. (Jan. '39) *P*

Brill, John E., Plant Operator, Munic. Water Works, Moorefield, W.Va. (Affil. Jan. '47)

Brinck, C. W., Asst. Director, San. Eng. Div., State Board of Health, Helena, Mont. (Jan. '43) *PR*

Brinkerhoff, Marvin J., Secy., Bogota Water Co., 78 W. Main St., Bogota, N.J. (July '38) *M*

Brinkerhoff, W., Supt., Water Dept., Box 47, Holbrook, Ariz. (July '46)

Brinkley, J. B., Sr., Water Supt., Federal Housing Authority, Portland 17, Ore. (July '43)

Brinton, P. H., Mgr., Culligan Soft Water Service, 255 N. Main St., Pomona, Calif. (Oct. '45) *P*

Brisbane, Eugene C., 215 E. Washington Blvd., Los Angeles 15, Calif. (Jan. '36)

Brisset des Nos, Andre, Asst. Div. Engr., Aqueduct Sec., City of Montreal, 3161 Joseph St., Verdun, Montreal 19, Que. (Jan. '48)

Bristol, Va., City of, Robert L. Morrison, City Mgr., City Hall, Bristol, Va. (Corp. M. Jan. '40) *M*

Bristol, Abner C., Div. Mgr., Connecticut Light & Power Co., 15 Central St., Thompsonville, Conn. (July '48)

Bristol, H. C., 401 Ramsey St., Alcoa, Tenn. (July '35) *MP*

Bristol, Theodore L., Pres. & Mgr., Ansonia Water Co., 354 Main St., Ansonia, Conn. (June '34) *M*

Bristol Co., The, F. W. Borchers, Asst. Sales Mgr., Waterbury 91, Conn. (Assoc. M. Jan. '40)

Bristow, Joseph Francis, Asst. Engr., Water Supply Dept., City Council, Joli-

mont St., Sherwood, Brisbane, Queensland, Australia (Jan. '45)

Bristow, William M., Sr. Officer Mechanic, Bureau of Prisons, U.S. Dept. of Justice, Lock Box 250, Steilacoom, Wash. (Jan. '45)

Brittain, Earle, Chem. Engr., The U-Need-Us Coal & Chemical Co., 216 Mathews St., Painesville, Ohio (Jan. '47)

Broach, Homer H., Water Engr., Corps of Engrs., Sunflower Ordnance Works, Lawrence, Kan. (Apr. '46) *MP*

Broadhurst, W. L., Dist. Geologist, Ground Water Div., Water Resources Branch, U.S. Geological Survey, 302 W. 15th St., Austin, Tex. (Oct. '47)

Broadnax, John E., Foreman, Filter Plant, Southern Bleachery & Print Works, Inc., Box 442, Taylors, S.C. (Jan. '45)

Brock, B. H., Mgr., Lancaster Suburban Water Co., 100 S. President Ave., Lancaster, Pa. (Jan. '44) *M*

Brock, C. R., *see* Beeville Water Works & Sewer Dept.

Broderick, J. W., Inspector, New York City Dept. of Water Supply, Gas & Elec., 1173 Flatbush Ave., Brooklyn 26, N.Y. (July '48)

Brogan, Lloyd F., Owner-Mgr., Soft Water Service, 1101 E. 1st St., Santa Ana, Calif. (Oct. '45) *P*

Brokaw, Arthur, Town Engr., 853 Kearny Ave., Kearny, N.J. (Apr. '43) *M*

Broken Hill Water Board, A. J. Courtney, Pres., 231 Blende St., Broken Hill, Australia (Corp. M. Jan. '48)

Bromschwig, A. C., Sales Repr., Hersey Mfg. Co., 5605—11th Ave., S., Minneapolis 17, Minn. (Apr. '39)

Bronson, James B., Mgr., Munic. Utilities, 102 W. 9th St., Rolla, Mo. (Jan. '45) *R*

Brook, David W., 420 N. Buckeye St., Osgood, Ind. (Jan. '46)

Brook, Harry L., Osgood, Ind. (Apr. '32) *M*

Brookfield, Village of, C. Dreher, Supt., Water & Public Works, 3840 Maple Ave., Brookfield Ill. (Corp. M. Jan. '46)

Brookfield-North Riverside Water Com., A. R. Buller, Supt. & Engr., 8636 Brookfield Ave., Hollywood, Ill. (Corp. M. Apr. '42) *MPR*

Brooks, C. B., *see* Robbins Water Dept.

Brooks, Frank M., *see* Art Concrete Works

Brooks, Fred, Supt., Pipe Constr., Bureau of Water Works & Supply, 1308 Micheltorena St., Los Angeles, Calif. (Apr. '36)

Brooks, John N., Cons. Hydr. Engr., 845 Berkeley Ave., Trenton 8, N.J. (Feb. '12) *R*

Brooks, R. W., Dist. Mgr., Layne-Western Co., South Duff, Ames, Iowa (Oct. '46)

Brooks, Thomas, 2045 N. Catalina St., Los Angeles 27, Calif. (Sept. '25) *Honorary M. '37.*

Brotz, J. K., *see* Silver Creek Water Works

Brown County Water Control & Improvement Dist. No. 1, Herman Bettis, Mgr., 113 E. Baker, Brownwood, Tex. (Corp. M. Jan. '48)

Brown, Abraham, Civ. Engr., Div. of Designs, Dept. of Water Supply, Gas & Elec., 2400 Municipal Bldg., New York 7, N.Y. (Apr. '46)

Brown, C. A., Local Mgr., General Waterworks Corp., 211 W. 5th Ave., Pine Bluff, Ark. (Jan. '43) *M*

Brown, Carl N., Western Sales Mgr., U.S. Pipe & Foundry Co., 122 S. Michigan Ave., Chicago 3, Ill. (Oct. '39)

Brown, Claude R., Mgr., American Cast Iron Pipe Co., 412 W. 6th St., Los Angeles 14, Calif. (Aug. '31) *MP*

Brown, E. W., *see* Kentucky Utilities Co.

Brown, Edgar T., Supt., City Water Plant, Fayetteville, Ark. (Oct. '42) *M*

Brown, Edward, Supt., Water Works, Eau Claire, Wis. (Jan. '21) *M*

Brown, Frank Mason, Designer-Draftsman, Board of Water Comrs., City & County Bldg., Denver, Colo. (Apr. '48) *R*

Brown, G. Basil, Supervisor, Transite Pipe Research, Research Center, Johns-Manville Corp., Manville, N.J. (Apr. '46) *M*

Brown, George C., Chief Engr., City of Toronto, 40 Rathnelly Ave., Toronto, Ont. (July '41)

Brown, George J., 1163 Julia St., West Englewood, N.J. (Apr. '46)

Brown, H. C., Vice-Pres., Chicago Bridge & Iron Co., 165 Broadway, New York 6, N.Y. (Apr. '44)

Brown, Herbert B., Dist. Mgr., Neptune Meter Co., 130 N. Jefferson St., Chicago 6, Ill. (Jan. '46)

Brown, Herbert H., Supt., Water Works, City Hall, Milwaukee 2, Wis. (Nov. '29) *Director '40–'43. Fuller Award '44.*

Brown, Horace A., Supt., Water Works, Ottumwa, Iowa (June '11) *M*

Brown, J. H., *see* Niagara Water Dept.

Brown, J. O., Mgr., Pump & Eng. Dept., Crane-O'Fallon Co., Box 5190, Denver 17, Colo. (Jan. '30)

Brown, James R., Vice-Pres., Sales Promotion, National Water Main Cleaning Co., 122 S. Michigan Ave., Chicago 3, Ill. (July '34) *M*

Brown, K. W., Cons. Chem. Engr., 233 Sansome St., San Francisco 4, Calif. (July '27) *P*

Brown, L. V. Z., 1316 Orange St., McAllen, Tex. (July '38)

Brown, Melville L., Owner & Supt., Coast Water Co., 6112 E. Gage Ave., Bell Gardens, Calif. (Apr. '48)

Brown, Richard F., Chief Chemist, Dept. of Water Works, Evansville, Ind. (Oct. '47)

Brown, Samuel, Asst. Civ. Engr., Bureau of Water Supply, 6301 Bellona Ave., Baltimore, Md. (Oct. '42)

Brown, Stuart, Supt., Light & Water Dept. West Point, Ga. (Apr. '43) *MP*

Brown, W. B., *see* Well Machinery & Supply Co.

Brown, W. Creighton, Jr., Repr., Neptune Meter Co., 25 W. 15th St., North Kansas City 16, Mo. (Jan. '46) *MR*

Brown, W. V., Mgr., Public Utilities Com., Seaforth, Ont. (July '44) *M*

Brown, Wade Gillies, Chemist, Water Dept., 1030 W. Trinity Ave., Durham, N.C. (Apr. '43) *MP*

Brown, Walter M., Office Engr., Div. of Eng. Studies & Acctg., Long Beach Water Dept., 400 Municipal Utilities Bldg., Long Beach 2, Calif. (May '34) *MR*

Browne, F. G., *see* Teck, Township of

Browne, Floyd G., San. Engr., Floyd G. Browne & Assoc., 196 S. Main St., Marion, Ohio (June '26) *P*

Brownell, B. J., Secy.-Treas., Public Utility Com., Port McNicoll, Ont. (July '48)

Brownell, O. E., Director, Div. of Municipal Water Supplies, Sec. of Environmental Sanitation, State Dept. of Health, Minneapolis 4, Minn. (Apr. '32) *Fuller Award '46. PR*

Browning, C. R., Cons. Engr., Box 336, Tustin, Orange County, Calif. (Nov. '32) *R*

Browning, Robert T., Wallace & Tiernan Co., Inc., Newark 1, N.J. (Apr. '36)

Brownstead, J. P., Mgr., Water Works, 1428 Lexington Ave., Ashland, Ky. (Apr. '38) *Fuller Award '41. MP*

Bruah, Howard R., Jr., Jr. San. Engr., Water Safety Control Sec., Water Purif. Div., City of Chicago, 3300 Cheltenham Pl., Chicago 49, Ill. (Jan. '47) *P*

Bruce, Robert H., *see* Bruce Co., Inc.

Bruce Co., Inc., Robert H. Bruce, Pres., 816 Carnall Ave., Fort Smith, Ark. (Assoc. M. Apr. '48)

Brumley, Albert C., *see* Alhydro, Inc.

Brune, Fred H., Partner, Roberts & Brune Co., 115 Townsend St., San Francisco 7, Calif. (Sept. '31) *MPR*

Bruning, J. H., Pres. & Gen. Mgr., Industrias Bruning, S.A., Tintoreto 5, Mixcoac, Mexico City, Mexico (Jan. '46)

Brunstein, Maurice, Supt. & Engr., Water Dept., City Hall, Atlantic City, N.J. (July '35) *MPR*

Brunswick & Topsham Water Dist., Theodore E. Stimpson, Supt. & Treas., 9 Town Hall Pl., Brunswick, Me. (Corp. M. Jan. '43)

Brunton, Charles L., Supt., Water Dept., Main St., Jackson, Ohio (July '35)

Brush, Frederick Clinton, Vice-Pres. & Gen. Mgr., Bound Brook Water Co., 307 E. 2nd St., Bound Brook, N.J. (Jan. '24) *MP*

Brush, William W., Editor, *Water Works Engineering,* Case-Shepperd-Mann Pub. Corp., 24 W. 40th St., New York 18, N.Y. (Feb. '11) *Treasurer '22–'27, '30–. Vice-Pres. '28. President '29. Diven Medal '32. Honorary M. '37. MPR*

Bryan, Harry D., Sales Engr., Ludlow Valve Mfg. Co., Inc., 1636 Oliver Bldg., Pittsburgh 22, Pa. (July '47)

Bryan, John G., Asst., Water & Sewer Dept., Borough of Pitman, 58 Simpson Ave., Pitman, N.J. (Apr. '42) *M*

Bryan, W. D., Jr., Sales Mgr., 7-Up Bottling Co., Tarboro, N.C. (July '40) *M*

Bryant, E. H., *see* Bryant Water Tank Service

Bryant, Edward K., Knappen, Tippetts, Abbett Eng. Co., 280 Madison Ave., New York, N.Y. (Jan. '47) *MPR*

Bryant, W. G., Supt., Light, Water & Sewerage Dept., Griffin, Ga. (Jan. '44) *MP*

Bryant Water Tank Service, E. H. Bryant, Mgr., 6347 N. Glenwood Ave., Chicago 40, Ill. (Assoc. M. July '46)

Bryson, Carlyle H., Supt., Water Div., Utilities Dept., Utilities Bldg., 18–20 S. Nevada Ave., Colorado Springs, Colo. (Apr. '42) *MP*

Bubbis, Nathan S., Engr. of Water Works & Sewerage, Eng. Dept., City of Winnipeg, Ross & Tecumseh, Winnipeg, Man. (Jan. '45) *MP*

Buccowich, Paul, Jr., Supt., Light & Water Dept., Ely, Minn. (May '33)

Buchanan, Edward Victor, Gen. Mgr., Public Utilities Com., London, Ont. (Apr. '26) *Fuller Award '48. MR*

Buchanan, Gerrit S., R.D. No. 6, Washington, Pa. (June '30)

Buck, George H., Partner, Buck, Seifert & Jost, 112 E. 19th St., New York 3, N.Y. (Jan. '26) *MPR*

Buck, Ross J., Cons. Engr., 501 E. Main Cross St., Edinburg, Ind. (July '43) *P*

Buck, Ross W., Sr. Asst. Engr., U.S. Public Health Service, Communicable Disease Center, 605 Volunteer Bldg., Atlanta 3, Ga. (Apr. '43) *P*

Buckley, Earl John, Mgr., Water & Air Conditioning Div., W. J. Westaway Co., Ltd., Main & McNab Sts., Hamilton, Ont. (Jan. '44) *P*

Buffalo Div. of Water, Jerome C. Kreinheder, Director of Water, 504 City Hall, Buffalo 2, N.Y. (Mun. Sv. Sub. June '21)

Buffalo Meter Co., Charles K. Bassett, 2917 Main St., Buffalo 14, N.Y. (Assoc. M. June '05)

Buffalo Niagara Elec. Corp., Louis S. Bernstein, Chief Design Engr., Eng. Dept., 535 Washington St., Buffalo 3, N.Y. (Corp. M. Apr. '37)

Bugbee, Alvin, Supt., Water Works, Trenton, N.J. (July '39)

Bugher, Robert D., Staff Engr., Michigan Municipal League, 205 S. State St., Ann Arbor, Mich. (July '48)

Builders Iron Foundry, *see* Builders-Providence; Omega Machine Co.; Proportioneers

Builders-Providence, Inc., Charles G. Richardson, Vice-Pres., 9 Codding St., Providence, R.I. (Assoc. M. June '01)

Bulbin, David S., Asst. Director, Public Works Dept., Lagos, Nigeria, British West Africa (July '45)

Bull, Clayton C., Cons. San. Engr., Burgess & Niple, 568 E. Broad St., Columbus 15, Ohio (July '44) *P*

Bull, Irving C., Cons. Chemist, 86 Highland Ave., Middletown, N.Y. (June '06)

Bullard, J. H., Water Works Foreman, 646 Hemphill Ave., N.W., Atlanta, Ga. (Apr. '48)

Buller, A. R., *see* Brookfield-North Riverside Water Com.

Bullock, Albert Ebb, Salesman, Southern Alkali Corp., 414 Tower Petroleum Bldg., Dallas, Tex. (July '47)

Bullock, DeWitt H., Supt., Water System, 80 Walnut St., Canajoharie, N.Y. (Jan. '28) *MP*

Bulot, Francis H., Cons. Engr., 411 W. 5th St., Los Angeles 13, Calif. (Apr. '46) *MP*

Bulpitt, Lewis M., Water Supt., Bishop, Calif. (Jan. '47)

Bumstead, John C., Asst. Editor, *Engineering News-Record,* 330 W. 42nd St., New York 18, N.Y. (Jan. '47) *P*

Bundy, Dan E., Water Works Engr., Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Apr. '38)

Bunker, George C., Cons. Engr., Apdo. 1423, Panama, Panama (Feb. '11) *Honorary M. '43.*

Bunnell, E. F., Mgr., Kellogg Power & Water Co., 319 Main St., Box 636, Kellogg, Idaho (Jan. '47) *M*

Bunnell, Kenneth J., Asst. Supt. of Water Plants, Metropolitan Utilities Dist., Florence Pumping Station, Omaha 12, Neb. (June '34) *M*

Burack, William D., Engr., 77 Sycamore Ave., Livingston, N.J. (Jan. '36) *P*

Burba, Dominic G., Salesman, Transite Pipe Sec., Johns-Manville Sales Corp., 1303 Adams St., North Chicago, Ill. (Apr. '48)

Burbank Public Service Dept., J. H. McCambridge, Gen. Mgr., 174 W. Magnolia Blvd., Burbank, Calif. (Corp. M. June '27) *M*

Burbank, Nathan Clifford, Jr., Instructor, Oklahoma A&M College, Stillwater, Okla. (Oct. '47) *P*

Burdick, C. W., Comr., City Water, Light & Ice Dept., City Hall, Grand Island, Neb. (July '44) *MR*

Burdick, Charles B., Hydr. & San. Engr., Alvord, Burdick & Howson, 20 N. Wacker Drive, Chicago 6, Ill. (July '07) *Honorary M. '44.*

Burdick, George E., *see* New York State Conservation Dept.

Burdick, L. W., Cons. Engr., Lium & Burdick, 316 Cambridge St., Grand Forks, N.D. (Oct. '47)

Burgess, John, Office Engr. & Asst. Secy., Board of Water Comrs., Box 629, Denver 1, Colo. (Oct. '37) *M*

Burgess, Philip, Cons. Engr., 568 E. Broad St., Columbus 15, Ohio (Apr. '11) *Fuller Award '44. MP*

Burk, Jack S., *see* Barnard & Burk

Burke, Thomas G., *see* Plattsburg, City of

Burkey, Henry T., *see* Electric Fish Screen Co.

Burks, James T., Mgr. of Utilities, Box S, Bastrop, Tex. (July '46) *M*

Burleigh, A. G., Culligan Soft Water Service, 76–78 E. 2nd St., Winona, Minn. (Apr. '48)

Burley, Fred H., Engr. of Sewage Treatment, Dept. of Water Supply, 9300 Jefferson Ave., W., Detroit 17, Mich. (July '46) *R*

Burley, City of, W. L. Lesher, City Engr., Burley, Idaho (Corp. M. Apr. '44) *MP*

Burlington Mills Corp., R. A. Gilliam, Div. Mgr., Dyeing & Finishing, N. Eugene St., Greensboro, N.C. (Corp. M. Apr. '48)

Burn, G. A. H., Assoc. San. Engr., Ontario Dept. of Health, Parliament Bldgs., Toronto, Ont. (Jan. '43) *MP*

Burnaby, Corp. of, S. M. Porter, Munic. Engr., Edmonds, New Westminster, B.C. (Corp. M. Jan. '47)

Burnett, H. A., Jr., Gen. Mgr., Difco Labs., Inc., 920 Henry St., Detroit 1, Mich. (Jan. '36)

Burnett, J. L., Supervisor of Filtration, Water Dept., City Hall, Tampa 2, Fla. (Jan. '46) *P*

Burnett, John Edward, 145 Percival Ave., Montreal West, Que. (July '46)

Burnett, John J., Chemist, Bureau of Water, Filtration Plant No. 1, Buffalo Ave. & 53rd St., Niagara Falls, N.Y. (Apr. '48)
Burnett, Kenneth J., Jr. Salesman, Lynchburg Foundry Co., Lynchburg, Va. (Jan. '43)
Burnett, Thad C., *see* Asheville, City of
Burnham, Lyle M., Sales Engr., Viking Supply Co., 2625 Elm St., Dallas, Tex. (Oct. '40)
Burnley, Seth, *see* Charlottesville, City of
Burns, Clayton, Water Works Supt., City Hall, McAlester, Okla. (Jan. '48)
Burns, Thomas M., Asst. Mgr. of Sales & Eng., American Locomotive Co., 30 Church St., New York 8, N.Y. (Apr. '35) *M*
Burnson, Blair I., Supervising San. Engr., San. & Pumping Sec., East Bay Munic. Utility Dist., Box 720, Oakland 4, Calif. (Jan. '35) *P*
Buroker, H. M., Mgr., Light & Water Dept., Bonners Ferry, Idaho (Jan. '39)
Burrin, Thomas J., Mgr. of Utilities, 206 W. Washington St., Lebanon, Ind. (Jan. '35) *MR*
Burroughs Adding Machine Co., A. Knaff, Public Utility Div., 6071—2nd Blvd., Detroit 32, Mich. (Assoc. M. Mar. '26)
Burrow, L. R., *see* Raymondville, City of
Burrowes, R. W., Mgr., Pittsburgh Pipe Cleaner Co., Box 277, Bradenton, Fla. (Oct. '47)
Burt, Burke, 1205 S. Monroe St., Tucumcari, N.M. (July '42) *P*
Burt, Gordon L., City Mgr., City Hall, Hayward, Calif. (Jan. '47) *M*
Burton, Guy W., Supt., Water Dept., Iowa Falls, Iowa (Apr. '47) *MR*
Burton, Nelson E., Supt., Water, Gas & Sewage, Box 911, Sunray, Tex. (Oct. '47)
Burwell, John H., *see* Schenectady, City of
Buschner, Carl R., Asst. San. Engr., Water Safety Control Sec., Water Purif. Div., 3300 E. Cheltenham Pl., Chicago 49, Ill. (Jan. '48) *P*
Bush, Bernard S., Dist. Engr., Bureau of San. Eng., State Dept. of Health, Kirby Health Center, Wilkes-Barre, Pa. (Apr. '44) *PR*
Bushee, Ralph J., Chief San Engr., Charles W. Cole & Son, 220 W. LaSalle Ave., South Bend 5, Ind. (Jan. '48) *R*
Bushnell, Charles A., Sales Repr., Worthington-Gamon Meter Co., 296 South St., Newark 5, N.J. (Apr. '37)
Bushway, Walter B., Supt., Water Dept., 9 Town Hall, Brookline 46, Mass. (Jan. '42) *M*
Bussmer, Fred C., Sales Engr., Wallace & Tiernan Sales Corp., 5319 Forest, Kansas City 4, Mo. (July '47)
Buswell, A. C., Vice-Pres. & Mgr., Kingfisher Water Co., 111 E. Miles Ave., Kingfisher, Okla. (July '46) *MPR*
Buswell, Arthur Moses, Chief, State Water Survey Div. & Research Prof. of Chemistry, Univ. of Illinois, Box 232, Urbana, Ill. (Mar. '16) *PR*
Butera, Nelson S., Water Works & Sewer Consultant, 186 Mills St., Morristown, N.J. (Apr. '44) *MPR*
Butler, Leo M., Cons. Engr., 931 Laura St., Clearwater, Fla. (Jan. '45) *P*
Butler, T. C., Jr., Chief Engr., Route 5, Boise, Idaho (Jan. '40)
Buttenheim, Edgar J., *see American City*
Buzzard, Lester L., Sales Mgr., Hays Mfg. Co., 801 W. 12th St., Erie, Pa. (Apr. '41) *M*
Byal, G. T., Supt., Water & Sewage, McComb, Ohio (July '48)
Byars, Gus L., Supt., Water Dept., Tucumcari, N.M. (Oct. '47)
Byerley, E. F., Local Mgr., Arkansas Utilities Co., 121 N. 1st St., West Helena, Ark. (Apr. '43) *M*
Byers, A. M., Co., Robert H. Gardner, Gen. Mgr. of Sales, Clark Bldg., Pittsburgh 22, Pa. (Assoc. M. June '21)
Byers, Chester A., Asst. Gen. Mgr., Johnstown Water Co., 332 Locust St., Johnstown, Pa. (Apr. '37) *M*
Bryne, John J., *see* Kingston Water Works Dept.
Byrne, Walter S., Gen. Mgr., Metropolitan Utilities Dist., Utilities Bldg., Omaha 2, Neb. (Oct. '39) *M*
Byron Jackson Co., W. N. Beadle, Vice-Pres., Box 2017 Terminal Annex, Los Angeles 54, Calif. (Assoc. M. Sept. '24)

Cabrera Sifontes, Luis, Instituto Nacional de Obras Sanitarias, Departamento de Operacion, Caracas, Venezuela (Jan. '47)
Cadman, Robert M., 244 Cambridge Ave., Red Bank, N.J. (May '24)
Cady, H. R., Mech. Engr., Hackensack Water Co., Weehawken, N.J. (June '29) *MP*
Cady, Lowell, Engr., Wiedeman & Singleton, 712 Cumberland Circle, N.E., Atlanta, Ga. (Jan. '40) *P*
Caicedo P., Jose J., Mgr., Public Works, Cali, Columbia (Jan. '48) *MR*
Cain, James D., Fairmont, W.Va. (Jan. '43)
Caird, James M., Chemist & Bacteriologist, Cannon Bldg., Broadway & 2nd St., Troy, N.Y. (May '00) *Treasurer '14–'21. Honorary M. '42. P*
Calaway, Wilson T., Instructor in San. Science, Civ. Eng. Dept., Univ. of Florida, Box 672, Gainesville, Fla. (Jan. '48)
Calder, Norman, Supt. & Chairman, Public Utilities, Southampton, Ont. (Apr. '42)

Calderara, O. J., Chief Engr., Suburban Tampa San. Dist., 705 Madison St., Tampa 2, Fla. (Oct. '40) *MPR*

Calderon de Palacio, Manuel, Head, Bureau of Water Supply & Sewage, Obras Publicas of Mexico City, Tigris 113, Cuauhtemoc, Mexico (Jan. '44)

Calderwood, Donald C., *see* Pennichuck Water Works

Caldwell, Charles G., *see* New Mexico Dept. of Public Health

Caldwell, David H., Cons. Civ. Engr., Brown & Caldwell, 233 Sansome St., San Francisco 4, Calif. (Jan. '41) *P*

Caldwell, H. L., Cons. Engr., Caldwell Eng. Co., Jacksonville, Ill. (Apr. '36) *P*

Caldwell, James A., Engr., Bevington, Taggart & Fowler, 730 K. of P. Bldg., Indianapolis, Ind. (Apr. '36) *M*

Caldwell, T. A., *see* Truehart & Caldwell

Calgon, Inc., Everett P. Partridge, Director of Research, 323—4th Ave., Pittsburgh 30, Pa. (Assoc. M. Jan. '39)

Calhoun, John C., Jr., Cons. Engr., 312 Merchants Exchange Bldg., Houston 2, Tex. (Oct. '46) *MPR*

California Dept. of Public Health, Frank M. Stead, Library, 668 Phelan Bldg., 760 Market St., San Francisco 2, Calif. (Corp. M. Jan. '47)

California Oregon Power Co., The, Harry Olsen, Civ. & Rate Engr., 216 W. Main St., Medford, Ore. (Corp. M. Apr. '40) *M*

Calise, Vincent J., Tech. Mgr., Liquid Conditioning Corp., 114 E. Price St., Linden, N.J. (Jan. '48) *P*

Callahan, Harry C., Pres., Lake Mohawk-Sparta Water Co., White Deer Plaza, Sparta, N.J. (Jan. '37) *M*

Callan, John, *see* Tennessee Eastman Corp.

Callan, T. N., *see* Chippawa, Village of

Callon, Curtis A., Maint. Engr., Muscatatuck State School, Butlerville, Ind. (Oct. '44) *MPR*

Calvert, Ira R., Secy.-Mgr., Azusa Irrigating Co., 617 Azusa Ave., Azusa, Calif. (Jan. '44) *M*

Calvet, Carlos M., *see* Cuba, Cia. de Acueducto de, S.A.

Cambridge, W. B., Dist. Sales & Service Mgr., Hersey Mfg. Co., 50 Church St., New York 7, N.Y. (Apr. '43)

Camel, Blaise G., Chairman, Finance Com., East Jefferson Water Works No. 1, 503 Lake Ave., Metairie, La. (Oct. '42)

Cameron, Alwyn J., Provincial San. Engr., Dept. of Health & Social Services, Fredericton, N.B. (Oct. '47)

Cameron, G. T., Supervisor, Cherry Tree Water Co., Cherry Tree, Indiana County, Pa. (July '43) *M*

Cameron, W. J. D., Supt., Anthes-Imperial, Ltd., St. Catharines, Ont. (Jan. '40)

Camp, Cecil S., Louisiana State Univ., 215 Atkinson Hall, Baton Rouge, La. (Apr. '46) *PR*

Camp, Fred Albert, Civ. Eng. Assoc., Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Apr. '43) *R*

Camp, Thomas R., Partner, Camp, Dresser & McKee, Cons. Engrs., 6 Beacon St., Boston 8, Mass. (Jan. '30) *MP*

Campbell, Arley, Supt., Water Dept., Chamberlain, S.D. (Jan. '46)

Campbell, E. W., Director, Div. of San. Eng., State Dept. of Health & Welfare, Augusta, Me. (Dec. '23) *P*

Campbell, Garnet H., Chief Operator, Water Filtration Plant, 214 N. Riverside Ave., St. Clair, Mich. (Jan. '45)

Campbell, H. R., Campbell & Rude, Engrs. & Surveyors, 109 Wanaque Ave., Pompton Lakes, N.J. (Jan. '45) *MPR*

Campbell, J. E., Supt. of Maint., Avondale Mills, Sylacauga, Ala. (July '48)

Campbell, John T., Partner, The Chester Engrs., 210 E. Parkway at Sandusky, N.S., Pittsburgh 12, Pa. (Oct. '31) *MPR*

Campbell, Joseph D., Supt., Merchantville-Pennsauken Water Com., 13 W. Maple Ave., Merchantville, N.J. (Oct. '38) *MP*

Campbell, M. S., Engr., H. D. Fowler Co., Box 3084, Seattle, Wash. (Apr. '38)

Campbell, M. S. A., Bacteriologist, Bureau of Labs., State Board of Health, 1098 W. Michigan St., Indianapolis 7, Ind. (July '35) *PR*

Campbell, R. C., Foreman, Water Works, 1210 Hemphill Ave., N.W., Atlanta, Ga. (Apr. '48)

Campbell, Ralph A., Supt., Div. of Accts., Water Dept., 163 Civic Center Bldg., San Diego 1, Calif. (July '42) *M*

Campbell, Roderick W., Supt. of Filtration & Chemist, Water Works, Lorain, Ohio (Jan. '47) *P*

Campbell, W. F., Mgr., Pump Dept., Wells & Wade, Wenatchee, Wash. (Apr. '44) *MP*

Campbell, William B., Sales Engr., A. P. Smith Mfg. Co., 315 N. Crescent St., Flandreau 4, S.D. (Jan. '43)

Campion, Harry, Supt., Water Dept., City Hall, Defiance, Ohio (Apr. '44) *MP*

Campobasso, John J., Engr., E. B. Badger & Sons Co., Cambridge Div., 260 Bent St., Cambridge, Mass. (Apr. '46) *P*

Camy, L. L., Local Mgr., California Water Service Co., 4492 Whittier Blvd., Los Angeles 22, Calif. (May '30) *M*

Canariis, Svend A., Partner, Allied Pump & Supply Co., Box 5496, Jacksonville 7, Fla. (July '37)

Canastota Water Dept., Jay H. Ostrander, Supt., 131 E. Center St., Canastota, N.Y. (Corp. M. Oct. '41)

Canham, Chester H., San. Engr., State Board of Health, 1911 S. 20th St., Terre Haute, Ind. (Jan. '47) *P*

Canham, Robert A., San. Engr., National Canners Assn., Research Labs., 1739 H St., N.W., Washington 6, D.C. (July '47) *P*

Cannard, Richard E., Gen. Mgr. & Chief Engr., Public Utilities, 817 Franklin St., Manitowoc, Wis. (Jan. '42) *MPR*

Cannon, Samuel C., *see* Middletown Water Dept.

Canon City Water Dept., Fred Brackney, Supt., Box 786, Canon City, Colo. (Corp. M. Apr. '26) *MPR*

Cantley, Clarence G., Water Chemist, Water Works, Box 333, Clendenin, W.Va. (Affil. Jan. '40)

Canton Munic. Utilities, Water Works Dept., Tip H. Allen, Supt., Box 114, Canton, Miss. (Corp. M. Jan. '39)

Cantrell, E. L., Dist. Mgr., Neptune Meter Co., 815 W. Market St., Louisville 2, Ky. (Apr. '39)

Cape Charles, Munic. Corp. of, S. C. Churn, Chairman, Water Com., Cape Charles, Va. (Corp. M. July '46) *M*

Capen, Charles H., Chief Engr., North Jersey Dist. Water Supply Com., Wanaque, N.J. (Apr. '30) *Fuller Award '38. Director '47–'50. MR*

Cape Town City Engr.'s Dept., W. S. Lunn, City Engr., City Hall, Box 1694, Cape Town, South Africa (Corp. M. Jan. '48)

Caplan, Louis R., Sales Engr., Calgon, Inc., 922 DuPont Circle Bldg., Washington 6, D.C. (Oct. '39)

Capraro, Paul E., Supt., Water & Light Dept., Two Rivers, Wis. (Jan. '43) *MP*

Capron, John D., Pres., Glamorgan Pipe & Foundry Co., Lynchburg, Va. (Jan. '24) *R*

Carbide & Carbon Chemical Corp., Thomas Roper Jr., Supervisor, Water Treatment & Distr., 437 MacCorkel Ave., South Charleston 3, W.Va. (Corp. M. Jan. '44) *PR*

Carborundum Co., Otto R. Stach, Sales Development Engr., "Aloxite" Porous Products Dept., Refractories Div., Perth Amboy, N.J. (Assoc. M. Jan. '47) *P*

Carder, E. G., Salesman, Hersey Mfg. Co., 450 E. 3rd St., Los Angeles 13, Calif. (July '46) *MPR*

Cardox Corp., Albert W. Wahlgren, Mgr., Carbon Dioxide Div., 307 N. Michigan Ave., Chicago 1, Ill. (Assoc. M. Jan. '46)

Carey, W. Gordon, Public Analyst & Water Consultant, 10 Dean St., Newcastle-upon-Tyne 1, England (Jan. '45) *P*

Carl, Kenneth J., Engr., National Board of Fire Underwriters, 85 John St., New York 7, N.Y. (Oct. '41) *MPR*

Carlisle, O. B., Engr. of Water Works Design, Dept. of Public Works, 402 City Hall, Chicago 2, Ill. (Apr. '41) *M*

Carlson, A. H., *see* East Helena, City of

Carlson, Axel, Water Supt., Public Utilities, Box 1019, Ketchikan, Alaska (Apr. '40) *MR*

Carlson, C. A., Chief of Mech. Service, U.S. Penitentiary, Terre Haute, Ind. (Oct. '44) *MP*

Carlson, E. T., Supt., Water Dept., Box 2208, Sarasota, Fla. (Jan. '41)

Carlson, Lester E., Dist. Mgr., California Water Service Co., 308 S. Catalina Ave., Redondo Beach, Calif. (Jan. '48)

Carlton, Frank, Sales Engr., Lohman Bros., Inc., 1449 S. San Pedro St., Los Angeles, Calif. (Oct. '39)

Carlton, Leland Gardner, Supt., Munic. Water Works, City Hall, Springfield 3, Mass. (July '41) *M*

Carmack, Mont J., Mgr., Kanawha Equipment, Inc., Box 1426, Charleston 25, W.Va. (Oct. '45) *P*

Carman, S. P., Cons. Engr., Security Mutual Bldg., Binghamton, N.Y. (Jan '47) *M*

Carmichael, David W., Director of Public Utilities, Municipal Bldg., Verona, N.J. (Oct. '39) *M*

Carmien, R. P., Coast Agent, Golden-Anderson Valve Specialty Co., 816 San Fernando Bldg., Los Angeles 13, Calif. (Oct. '34)

Carnahan, R. D., Plant Operator, Water Treatment Plant, 609—33rd St., Bradenton, Fla. (Jan. '47)

Carnegie, S. Steve, *see* Carnegie & Smith

Carnegie & Smith, S. Steve Carnegie, 3000-A Dalrymple Drive, Baton Rouge, La. (Corp. M. Apr. '46)

Carns, James G., Jr., Eng. Dept. (Consumers' Meters), Water Works Service Co., 50 Broad St., New York 4, N.Y. (Oct. '35) *M*

Carolina Aluminum Co., Elwood L. Reed, Engr., Property Dept., Badin, N.C. (Corp. M. Nov. '24) *M*

Carolina Beach, Town of, Herbert M. Biddle, Supt. of Water & Sewer, Carolina Beach, N.C. (Corp. M. Oct. '42)

Carollo, John A., Partner, Headman, Ferguson & Carollo, Cons. Engrs., 3308 N. 3rd St., Phoenix, Ariz. (Jan. '39) *P*

Carpenter, C. F., *see* Niskayuna, Town of

Carpenter, Carl B., Engr.-Supt., Hammond San. Dist., 5143 Columbia Ave., Hammond, Ind. (Apr. '46) *MP*

Carpenter, Charles, Gen. Supt., Southland Paper Mills, Inc., Lufkin, Tex. (Apr. '42)

Carpenter, George, Supt., Water & Sewer Dept., City Hall, Ithaca, N.Y. (Jan. '35) *MP*

Carpenter, R. B., Jr., Resident Engr., William F. Freeman Engrs., Inc., Box 1011, High Point, N.C. (Jan. '48)

Carpenter, Seymour B., Asst. San. Engr., Tennessee Valley Authority, Div. of Health & Safety, Norris, Tenn. (July '48)

Carr, J. A., Engr. & Supt., Dept. of Water Supply, Ridgewood, N.J. (May '16) *Fuller Award '42. Director '44–'47. MR*

Carroll, Eugene, 315 E. Granite St., Butte, Mont. (June '04) *Director '30–'31. Fuller Award '43.*

Carroll, Hugh J., Engr. of Water, Bureau of Water, City Hall, Yonkers, N.Y. (Apr. '31) *MP*

Carroll, J. P., Water Well Drilling Contractor, 206—1st St., W. Palm Beach, Fla. (Jan. '47)

Carroll, John J., Sales Repr., Neptune Meter Co., 102 Blue Ridge Rd., Indianapolis 8, Ind. (Jan. '38) *M*

Carroll, John T., Sales Engr., Merchandise Div., Worthington Pump & Machinery Corp., 400 W. Madison St., Chicago 6, Ill. (July '25)

Carson, H. Y., *see* Carson-Cadillac Corp.

Carson, Harry R., Vice-Pres., Harry Cooper Supply Co., 223 E. Water St., Springfield, Mo. (Oct. '46)

Carson, Wendell, Supt. of Water, Water Dept., York, N.Y. (Jan. '48)

Carson-Cadillac Corp., H. Y. Carson, Pres., Box 67, Tarrant Branch, Birmingham 7, Ala. (Assoc. M. Jan. '37)

Carss, Harold W., City Engr. & Supt., Water Works, Swift Current, Sask. (Jan. '47) *MPR*

Carstairs, James, Water Dept., Township of Sandwich West, River Canard, Ont. (Jan. '47)

Cartan, Henry, *see* Suburban Water Co. (San Francisco)

Carter, C. Elmer, Asst. Supt., Water Works, 121 W. Lake St., Petoskey, Mich. (July '46)

Carter, Earl E., Supt., Water & Sewer Depts., Box 543, Henning, Minn. (Jan. '46) *MP*

Carter, Earl L., Cons. Engr., 910 Electric Bldg., Indianapolis 4, Ind. (Dec. '32) *M*

Carter, Gerald R., Assoc. Engr., Marion L. Crist & Assoc., 508 Union Life Bldg., Little Rock, Ark. (Apr. '44) *P*

Carter, H. E., Gen. Mgr., Crescenta Mutual Water Co., Box 63, Verdugo City, Calif. (July '35) *M*

Carter, Harold S., Prof. of Civ. Eng., Univ. of Utah, Salt Lake City, Utah (July '47) *P*

Carter, Olen C., Dist. Engr., State Dept. of Health, 2444 Summit St., Columbus 16, Ohio (Oct. '45) *P*

Carter, Ralph B., Co., John Wilson Van Atta, 192 Atlantic St., Hackensack, N.J. (Assoc. M. Jan. '46)

Carter, Walter C., *see* Mineral Wells City Water Works

Carty, J. V., Vice-Pres. & Secy., Ohio Water Service Co., 235 State St., Struthers, Ohio (Jan. '36) *M*

Carver, Andy, *see* Carver Stimpson Pipe Cleaning Co.

Carver Stimpson Pipe Cleaning Co., Andy Carver, Mgr., Walters, Okla. (Assoc. M. Oct. '45)

Cary, E. S., Supt., Water Works, Evansville, Wis. (Oct. '35)

Cary, Glen R., Water & Sewage Chemist, 1916 Grant St., Denver, Colo. (Oct. '45)

Cary, William H., Jr., Director, Bureau of Public Health Eng., Dist. of Columbia Health Dept., 300 Indiana Ave., N.W., Washington, D.C. (July '42) *P*

Casad, Charles C., Supt., Water Dept., City Hall, Bremerton, Wash. (Jan. '26) *Fuller Award '43. M*

Casad, Orla, Supt., Water Works, Crocker-Huffman Land & Water Co., 621—17th St., Merced, Calif. (Nov. '24)

Case, Boyd, Mgr., Utility Dept., Bowling Green, Ohio (Apr. '44)

Case, Egbert D., Pres. & Gen. Mgr., The Pitometer Co., 50 Church St., New York 7, N.Y. (Mar. '21) *Director '32–'35. M*

Case, Ray, Gen. Mgr., Board of Public Works, Beatrice, Neb. (Apr. '48)

Case, W. D., Owner, Case Eng. Co., 457 N. Kingshighway, St. Louis 8, Mo. (July '42) *P*

Caspar, Ferdinand E., City Engr., Water Dept., City Hall, N. Day St., Orange, N.J. (Apr. '43) *MP*

Cassidy, Edwin J., Supt., Wayne Township Water Dept., Municipal Bldg., Mountain View, N.J. (July '41)

Cassidy, H. James, Civ. Eng. Assoc., Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (July '36) *M*

Casteel, Stephen C., Asst. Mgr., East St. Louis & Interurban Water Co., 513 E. Missouri Ave., East St. Louis, Ill. (Jan. '46)

Castella, William F., Design Engr., J. V. Curnutte, Cons. Engrs., 1615 Transit Tower, San Antonio 5, Tex. (Apr. '48) *MPR*

Caster, Arthur D., San. Engr., 2nd Army Engrs., Fort George Meade, Md. (Jan. '42) *MP*

Castilla, J. A., Mech. Engr., Ave. Madero 70 Desps. 103/104, Mexico, D.F., Mexico (Apr. '43)

Caswell, H. H., *see* Ann Arbor Water Dept.

Castro y Asunsolo, Raul, Pres., Cardenas City Water Works Co., Calle 9 No. 12, E., Cardenas, Cuba (Oct. '41) *M*

Catanese, Santi John, Sr. Civ. Engr., Bureau of Water Supply, City Hall, Baltimore, Md. (Oct. '42) *M*

Cater, Thomas J., Jr., Assoc. San. Engr., Air Installations Office, Robins Air Force Base, Warner Robins, Ga. (Jan. '45) *M*

Cates, Walter H., Sales Engr., Western Pipe & Steel Co., 5717 Santa Fe Ave., Los Angeles 11, Calif. (Sept. '31)

Catey, Ed F., Asst. Utilities Engr., Hydr. Div., California Public Utilities Com., 368 State Bldg., San Francisco 2, Calif. (July '47) *MPR*

Cathodic Rust Proofing Co., F. L. Sweet, Carrizzo Springs, Tex. (Assoc. M. Oct. '44)

Cattell, Everett D., City Clerk, City Hall, Jackson, Mich. (Jan. '41) *M*

Catton, W. R., Mgr., Hydro & Water Depts., Public Utilities Com., 32 Queen St., Brantford, Ont. (Apr. '42) *P*

Causey, James Campbell, Jr., Civ. Engr., 502 National Bank Bldg., Suffolk, Va. (July '47)

Cavenagh, Frank, *see* National Rust-Proofing Co.

Caverly, David S., Asst. San. Engr., San. Eng. Div., Ontario Dept. of Health, 807 Richmond St., W., Toronto 3, Ont. (Jan. '45) *P*

Cazier, Marvin, Supt. of Water Distr., 1100 S. Main St., Decatur 16, Ill. (Jan. '44)

Cecil, Lawrence Keith, Dist. Engr., Infilco, Inc., 802 Kennedy Bldg., Tulsa 3, Okla. (Jan. '28) *PR*

Cedar Rapids City Water Works, H. F. Blomquist, Supt., City Hall, Cedar Rapids, Iowa (Corp. M. Jan. '36)

Cederberg, C. Ray, Dist. Mgr., Wallace & Tiernan Co., Inc., 1420 Dahlia St., Denver 7, Colo. (June '29) *MP*

Celanese Corp. of America, Arthur G. Fowler, Engr., Water Sec., Power & Auxiliary Dept., Cumberland, Md. (Corp. M. Jan. '43) *MP*

Cella, J. R., Sales Quotation Sec., Crane Co., 836 S. Michigan Ave., Chicago 5, Ill. (Jan. '47)

Central Foundry Co., The, R. F. Garcia, 386—4th Ave., New York 16, N.Y. (Assoc. M. June '03)

Centralia City Water Dept., R. E. Simons, Supt., Centralia, Ill. (Corp. M. Oct. '41)

Centriline Corp., H. Seaver Jones, Pres., 140 Cedar St., New York, N.Y. (Assoc. M. Jan. '40)

Chadwick, H. M., Irrig. Engr., Armco Drainage & Metal Products, Inc., 7th & Parker Sts., Berkeley 2, Calif. (Jan. '41)

Chaffee, William N., Asst. Mgr., Board of Water Supply, 2311 Armstrong St., Honolulu, Hawaii (Jan. '47)

Chain Belt Co., Robert T. Steindorf, Mgr., Conveyor & Process Equipment Div., 4500 W. Greenfield Ave., Milwaukee 14, Wis. (Assoc. M. Apr. '41)

Challenger Mfg. Co., Charles D. Hirst, Gen. Mgr., Box 444, San Jose, Calif. (Assoc. M. July '47)

Chalmers, D. E., *see* Mabbs Hydraulic Packing Co.

Chalmers, G. H., Engr., Armco Drainage & Metal Products of Canada, Ltd., Guelph, Ont. (Apr. '43)

Chamberlain, L. H., Pres., Builders-Pacific, Inc., 917 University Ave., Berkeley, Calif. (Jan. '24) *P*

Chamberlin, Noel S., San. Chemist, Tech. Service Div., Wallace & Tiernan Co., Inc., Newark 1, N.J. (Jan. '42) *Goodell Prize '44. P*

Chambers, Grover, Supt. of Water & Sewers, Cheney, Wash. (Apr. '38) *MP*

Chamblee, Graham V., Forest Mgr., Newport News Water Works Com., Denbigh, Va. (Jan. '47) *R*

Chamblee, J. V., Supt., Water Works, Selma, N.C. (Jan. '36)

Champ, William T., Supt., Village of Sherburne, N.Y. (Jan. '39)

Chandler, Harold C., Supervising Chemist, Bender Hygienic Lab., 136 S. Lake Ave., Albany, N.Y. (Oct. '46) *P*

Chandler, R. B., Mgr., Public Utilities Com., Public Utilities Bldg., Port Arthur, Ont. (Jan. '43) *M*

Chandler, R. Baker, Water Supt., Clarksville, Va. (July '43) *M*

Chandley, Harry B., Mgr., Beaver Falls Munic. Authority, 1425—8th Ave., Beaver Falls, Pa. (Jan. '41)

Chaney, Howard E., Chemist-in-Charge, Branch Lab. No. 1, Bureau of Chemistry, State Dept. of Health, Cambridge, Md. (Jan. '44) *P*

Chaney, Lee F., Service Engr., Flox Co., Inc., Route 1, Box 655, Puyallup, Wash. (Apr. '44) *P*

Chanlett, Emil T., Asst. Prof. in San. Science, Dept. of San. Eng., School of Public Health, Univ. of North Carolina, Box 899, Chapel Hill, N.C. (Apr. '42) *P*

Chapman, F. W., Supt., Comrs. of Public Works, Greenwood, S.C. (Dec. '25) *Fuller Award '47. MP*

Chapman, Howard W., San. Engr., U.S. Public Health Service, Dist. No. 2, State Planters Bank Bldg., Richmond, Va. (July '46) *P*

Chapman, Gilbert W., *see* American Water Works Co., Inc.

Chapman, J. W., Supt., Water Works, Hurricane, W.Va. (Affil. Oct. '47)

Chapman, W. Frank, Town Mgr., Salem, Va. (Jan. '44)

Chapman Valve Mfg. Co., Donald M. Belcher, 203 Hampshire St., Indian Orchard, Mass. (Assoc. M. Apr. '84)

Chapton, Herbert J., Water Works Engr., Bureau of Water Works & Supply, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Oct. '37) *MR*

Charbonneau, Thomas F., Dist. Mgr., Liquid Conditioning Corp., Box 712, Lakeland, Fla. (Jan. '45) *P*

Charles, Paul Lamont, Pres., Walsh & Charles, Ltd., 206 Tribune Bldg., Winnipeg, Man. (July '47)

Charles, Robert S., Jr., Chief Engr., International Water Supply, Ltd., 12 Maitland St., London, Ont. (Jan. '36)

Charleston Comrs. of Public Works, Francis B. McDowell Jr., Mgr. & Engr., Water Dept., Box 829, Charleston, S.C. (Corp. M. May '12) *MPR*

Charlottesville, City of, Seth Burnley, City Mgr., 5th & Market Sts., Charlottesville, Va. (Corp. M. Jan. '44)

Charlton, David B., Director, Charlton Labs., 2340 S.W. Jefferson St., Portland 7, Ore. (Jan. '38) *P*

Chase Brass & Copper Co., Inc., John M. Dumser, Mgr., Pipe & Tube Sales, 236 Grand St., Waterbury 91, Conn. (Assoc. M. Mar. '29)

Chase, Douglas E., Mgr., Munic. Authority of Borough of West View, 516 Lincoln Ave., Bellevue, Pittsburgh 2, Pa. (Jan. '43) *MP*

Chase, E. Sherman, Partner, Metcalf & Eddy, 1300 Statler Bldg., Boston 16, Mass. (May '19) *Director '44–'47. PR*

Chase, George E., Mgr., Public Utilities Com., Bowmanville, Ont. (Sept. '33) *M*

Chase, H. Percival, Vice-Pres., Mefford Chemical Co., 1026 Santa Fe Ave., Los Angeles 21, Calif. (Jan. '41) *P*

Chase, Horace H., Box 252, Sandwich, Mass. (May '24)

Chatham, Borough of, Ivan M. K. Smith, Water Dept., Chatham, N.J. (Corp. M. Apr. '48)

Chatham Board of Water Comrs., T. M. S. Kingston, Supt., Chatham, Ont. (Corp. M. Feb. '24) *M*

Chawner, W. Rupert, Engr., Santa Ana River Water Assn., Box 467, Riverside, Calif. (Jan. '47) *R*

Chenal, William J., Engr., Water Works, 3521 Schwartze Ave., Cincinnati 11, Ohio (Apr. '42)

Chenery, Christopher T., Pres., Federal Water Service Corp., 90 Broad St., New York 4, N.Y. (June '26)

Chenery, James H., Mgr., Merrick Plant, New York Water Service Corp., 11 Smith St., Merrick, N.Y. (Apr. '46)

Cherry, James L., Assoc., H. A. Kuljian & Co., 1200 N. Broad St., Philadelphia 21, Pa. (Apr. '47) *P*

Chester, Burke, Sanitarian, Lake County Health Dept., Tavares, Fla. (Jan. '44) *MP*

Chester, J. N., The Chester Engrs., 210 E. Park Way, N.S., Pittsburgh, Pa. (Nov. '10) *Fuller Award '44. M*

Chevalier, Willard, Asst. to the Pres., McGraw-Hill Publishing Co., 330 W. 42nd St., New York 18, N.Y. (June '34) *Goodell Prize '34. Director '37–'40. Honorary M. '45.*

Chevedden, Carl E., Sr. San. Engr., South Dist. Filtration Plant, Chicago 49, Ill. (July '44) *P*

Chicago Bridge & Iron Co., Horace B. Horton, Pres., 1305 W. 105th St., Chicago 43, Ill. (Assoc. M. June '08)

Chicago Pump Co., Milton Spiegel, Vice-Pres. & Gen. Mgr., 2300 Wolfram St., Chicago 18, Ill. (Assoc. M. Jan. '40)

Chiene, Walter S., Mgr., Coos Bay-North Bend Water Board, 264 S. Broadway, Coos Bay, Ore. (July '35) *M*

Childs, C. S., *see* Flox Co., Inc.

Childs, Fred S., Cons. Engr., Bogert-Childs Eng. Assoc., 624 Madison Ave., New York 22, N.Y. (May '30) *MP*

Chillicothe Munic. Utilities, A. E. Cox, Mgr., Chillicothe, Mo. (Corp. M. July '42)

Chin, Tai, Chief Engr., Munic. Water Works Administration, 45 Kung Yuan St., Nanking, China (Apr. '46)

Chinn, Keith R., City Mgr., Box 1331, West Palm Beach, Fla. (Feb. '27) *Fuller Award '45. MP*

Chippawa, Village of, T. N. Callan, Clerk, Water Works Dept., Chippawa, Ont. (Corp. M. Jan. '45)

Chorney, Paul A., Mayor, Spring St., Ogdensburg, N.J. (Jan. '36) *MP*

Choza, Fernando, San. Engr., Ministry of Public Works, 355 Ave. Arequipa, Mira Flores, Lima, Peru (Oct. '47)

Christensen, C. O., Partner, Christensen Plumbing & Heating, Box 1625, Billings, Mont. (Jan. '44)

Christenson, C. W., Supt., Water & Sewage Treatment Plants, Dept. of Water & Sewerage, Box 511, El Paso, Tex. (Jan. '47)

Christopher, J. B., Supt., Warrensburg & Pertle Spring Water Co., Box 342, Warrensburg, Mo. (July '35) *M*

Christy, Charles J., 2 Kingsbury St., Worcester 3, Mass. (Oct. '45)

Chrysler, K. L., City Engr., City Hall, Billings, Mont. (Oct. '44)

Chubb, Robert S., City Engr., 1318 Carbon St., Reading, Pa. (May '30)

Chumard, Geary W., *see* Middletown Water Dept.

Church, Dean F., Supt., Water & Sewage Plants, St. James, Minn. (Jan. '43) *MP*
Churchill, J. W., Office Mgr., Public Service Com., 601 Barrington St., Halifax, N.S. (Jan. '45)
Churn, S. C., *see* Cape Charles, Munic. Corp. of
Chute, W. M., Water Works Supt., Wheatley, Ont. (Apr. '34) *MP*
Cihak, Joseph F., Jr., Township Supervisor, 1990 Apple Ave., Muskegon, Mich. (Oct. '42)
Cissna, George W., Salesman, Neptune Meter Co., 254 Spring St., N.W., Atlanta 3, Ga. (July '35)
Citizens Utilities Co. [Conn.], H. B. Atkin, Vice-Pres., 125 E. Putnam Ave., Greenwich, Conn. (Corp. M. Apr. '47) *MPR*
Citizens Utilities Co. [Idaho], F. A. Merfeld, Dist. Mgr., Wallace, Idaho (Corp. M. Apr. '38)
Citizens Water Supply Co. of Newtown, *see* Newtown
Claberg, Walter S., Architectural Assoc., Design Div., Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Oct. '34) *M*
Clack, R. G., Supt., Water Dept., 203 N. 3rd St., Durant, Okla. (Jan. '43) *P*
Claflin, Charles R., Supt., Rensselaer Water Co., Rensselaer, N.Y. (Sept. '19) *MPR*
Claggette, Arthur D., Supt., Dept. of City Utility, Barberton, Ohio (Jan. '40)
Clapper, Merle H., *see* Delavan Water Com.
Clare, H. C., *see* Idaho Dept. of Public Health
Clarinda Water Works, Walter Weaklend, Supt., Clarinda, Iowa (Corp. M. July '48)
Clark, A. E., Asst. Treas. & Gen. Mgr., Nashville Suburban Utility Dist., 929—3rd National Bank Bldg., Nashville, Tenn. (July '47) *MP*
Clark, A. W. G., *see* B.C. Concrete Co., Ltd.
Clark, Arthur T., Secy.-Mgr., Water & Sewage Works Manufacturers Assn., Inc., 170 Broadway, New York 7, N.Y. (May '19)
Clark, D. A., Supt., Ripley Water Supply Co., 28 N. State St., Ripley, N.Y. (Apr. '47) *M*
Clark, Dennis H., Supt., West Virginia Water Service Co., Welch, W.Va. (Jan. '39) *MP*
Clark, Edward J., Chief Engr., New York City Dept. of Water Supply, Gas & Elec., 2456 Municipal Bldg., New York 7, N.Y. (July '48)
Clark, Eugene S., Bacteriologist & Chemist, San. Eng. Labs., Div. of San. Eng., State Dept. of Public Health, Springfield, Ill. (July '35) *P*
Clark, Everett L., Cons. Engr., 108 W. 6th St., Los Angeles 14, Calif. (Oct. '39) *MPR*
Clark, F. E., City Engr. & Water Supt., 205½ Duryea St., Raymond, Wash. (Jan. '47) *MR*
Clark, H. C., Supt., Board of Public Works, City Hall, Hillsdale, Mich. (Jan. '38) *M*
Clark, H. W., Co., Nicholas Bartlett, Pres., Box 563, Mattoon, Ill. (Assoc. M. May '08)
Clark, Horace L., Cons. Engr., 18 Lebanon St., Sanford, Me. (Apr. '30) *MPR*
Clark, Joseph R., State Dept. of Public Health, Div. of San. Eng., Nashville, Tenn. (Apr. '44)
Clark, Lloyd K., Project Mgr., Sanitation Research Project, Assn. of American Railroads, 1103 W. Pratt St., Baltimore 23, Md. (Jan. '39) *PR*
Clark, M. S., St. Louis Mgr., Mathieson Chemical Corp., 1416 Paul Brown Bldg., St. Louis, Mo. (Apr. '37)
Clark, Owen E., Constr. Engr., Div. of Water, 110 Cherry St., Toledo 4, Ohio (Oct. '38) *P*
Clark, R. A., Sales Repr., U.S. Pipe & Foundry Co., 516 Niels Esperson Bldg., Houston, Tex. (Apr. '48)
Clark, R. S., Supt. & Gen. Mgr., Water Works, Avon, N.Y. (Oct. '46)
Clark, Robert N., Chief Public Health Engr., Tennessee Valley Authority, Old Post Office Bldg., Chattanooga, Tenn. (Apr. '47) *PR*
Clark, S. C., *see* Sigler, Clark & Winston
Clark, Seymour H., Supt., Water Dept., 114 Washington Ave., Oneida, N.Y. (Jan. '40) *MP*
Clark, William H., 337 Genesee St., Avon, N.Y. (May '16)
Clarke, Gordon H., Franchise Repr., Orange Crush, Ltd., 125 Fleet St., E., Toronto 2, Ont. (Apr. '47) *PR*
Clarke, J. C., Asst. San. Engr., State Dept. of Health, 519 Dexter Ave., Montgomery, Ala. (July '48)
Clarke, Richard M., Dist. Engr., Wallace & Tiernan Co., Inc., 1328 N.W. 23rd St., Oklahoma City, Okla. (Jan. '48) *P*
Clarke, Samuel M., Partner, Greeley & Hansen, 220 S. State St., Chicago 4, Ill. (Oct. '41)
Clarke, William B., Supt., Public Works, 10 E. Main St., St. Charles, Ill. (Apr. '48)
Clarkson, L. M., Director, Public Health Eng., State Dept. of Public Health, State Office Bldg., Atlanta 3, Ga. (Aug. '29) *P*
Clarksville Light & Water Co., Fletcher Thompson, Filtration & Softening Plant, Clarksville, Ark. (Corp. M. Jan. '48)

Classen, Ashley G., Cons. Engr., 412 Martin Bldg., Box 58, El Paso, Tex. (Jan. '36)

Clay, Joe, Supt., Water Works, Carlisle, Ky. (Jan. '24)

Clay, John W., Supt. & Chief Engr., Water Dept., 10 City Hall, 2nd & Main Sts., Alhambra, Calif. (Oct. '37)

Clayton, Harry H., Mgr., Water & Sewage Dept., Lewisville, Ark. (Apr. '43) *M*

Clayton, Nelson J., Supt., Pottsville Water Co., 221 Centre St., Pottsville, Pa. (Mar. '25)

Clearwater Eng. Corp., 247 Park Ave., New York, N.Y. (Assoc. M. Jan. '47)

Clearwater Finishing Co., Charles H. Aiken, Filter Plant Foreman, Old Fort Div., Old Fort, N.C. (Corp. M. July '48)

Cleary, Edward J., Exec. Editor, *Engineering News-Record,* 330 W. 42nd St., New York 18, N.Y. (Jan. '45) *MPR*

Clemens, John D., *see* Hays Mfg. Co.

Clement, Russell C., Div. Mgr., Wallace & Tiernan Co., Inc., Box 178, Newark 1, N.J. (July '35) *P*

Clements, Alfred J., Supt., Princeton Water Co., 209 Harrison St., Princeton, N.J. (Jan. '47)

Clemings, Lee G., Salesman, Pacific Water Works Supply, 2900—1st Ave., S., Seattle 4, Wash. (Apr. '47)

Cleminson, J. E., Supt., Water Dept., 630 S. Tyler, El Monte, Calif. (July '35)

Cleveland, E. A., Chief Comr., Greater Vancouver Water Dist., 1303 Sun Bldg., Vancouver, B.C. (Mar. '24) *Fuller Award '46. MP*

Cleveland, Firley C., Dist. Supt., Southern California Water Co., 9614 Culver Blvd., Culver City, Calif. (Apr. '43) *M*

Clewiston, City of, Elec. & Water Works System, Clewiston, Fla. (Corp. M. Oct. '42) *P*

Clifton, Charles Elmer, Chemist, Cannon Bldg., Troy, N.Y. (Mar. '10) *P*

Clifton, Harry Patrick, Sr. Civ. Engr., Dublin Dept. of Health, Tavistock, 64 Ranelagh Drive, Dublin, Eire (July '47)

Cline, L. A., *see* United Concrete Pipe Corp.

Clines, W. M., General Chemical Div., Allied Chemical & Dye Corp., 1326—5th Ave., Seattle 1, Wash. (Apr. '46)

Clink, Walter, Chief Engr., Interstate Water Co., Danville, Ill. (Apr. '47)

Clinton Public Utilities, A. E. Rumball, Supt., Water Works, Clinton, Ont. (Corp. M. Apr. '44) *M*

Clinton, Merritt O., Pres., McMahon Eng. Co., 180½ Main St., Menasha, Wis. (Jan. '45) *P*

Clogher, Alexander C., *see* Ebasco Services, Inc.

Cloroben Corp., The, Herman Seydel, Pres., 15 Exchange Pl., Jersey City 2, N.J. (Assoc. M. Jan. '46)

Clouser, L. H., Partner, Wallace & Clouser, Cons. Engrs., 312 Mercantile Bldg., Knoxville 8, Tenn. (July '37) *PR*

Clow, James B., & Sons, Kent S. Clow, Pres., 201 N. Talman Ave., Chicago 80, Ill. (Assoc. M. Apr. '85) *MR*

Clow, Kent S., *see* Clow, James B., & Sons

Cloyes, W. J., Sr. Sanitarian, Lane County Health Dept., Courthouse, Eugene, Ore. (Affil. Jan. '43) *P*

Coates, G. N., Supt., Water Dept., 518 Taaffe St., Sunnyvale, Calif. (Apr. '30)

Coates, W. W., *see* Monte Vista County Water Dist.

Cobb, Edwin B., Project Engr., Metcalf & Eddy, 1300 Statler Bldg., Boston, Mass. (Apr. '46) *MPR*

Cobb, P. M., *see* Consolidated Western Steel Corp. [San Francisco]

Cobb, Raymond H., Lake Foreman, Eastman Kodak Co., 465 Edgemere Drive, Rochester 12, N.Y. (Apr. '45)

Cobbs, Richard H., Andalusia Elec. & Water Co., Andalusia, Ala. (July '47)

Coberly, Carroll H., Cons. Engr., 1441 Welton, Denver, Colo. (Jan. '36)

Cobleigh, W. M., Dean Emeritus of Eng., Montana State College, Bozeman, Mont. (May '33) *Fuller Award '41. P*

Coblentz, Maurice H., Sr. San. Engr. (R), Chief, Foreign Missions Sec., Office of International Health Relations, U.S. Public Health Service, Federal Security Bldg., 4th & Independence Aves., S.W., Washington, D.C. (Aug. '29) *P*

Coburn, James W., Treas., Consumers Water Co., Box 151 Pearl St. Station, Portland 6, Me. (Feb. '23) *M*

Coburn, Stuart E., Chief Chemist, Metcalf & Eddy, 1300 Statler Bldg., Boston, Mass. (Jan. '45) *PR*

Coca-Cola Co., The, Bert H. Wells, Chemist, Chem. Control Dept., Drawer 1734, Atlanta 1, Ga. (Corp. M. Oct. '41)

Coca-Cola Export Corp., The, C. A. Shillinglaw, Vice-Pres., Tech. Dept., 515 Madison Ave., New York 22, N.Y. (Corp. M. Apr. '45) *P*

Cochrane, John C., Newark Dist. Mgr., Wallace & Tiernan Co., Inc., Box 178, Newark 1, N.J. (July '35) *P*

Cockrell, Alton P., Chief Operator, Birmingham Industrial Water Supply System, 1913—4th Ave., N., Birmingham 3, Ala. (Jan. '47) *P*

Codell, Winfield S., Asst. Dist. Mgr., Builders-Providence, Inc., 807 Hardt Bldg., 1649 N. Broad St., Philadelphia 22, Pa. (Jan. '45) *MPR*

Coe, Glen F., Mgr., Secy. & Treas., Dixon Water Co., 121 E. 1st St., Dixon 1, Ill. (May '30)

Coey, John S., *see* Hooker Electrochemical Co.

Coffey, Thomas J., *see* Albion Water Dept.

Coffeyville Water & Light Dept., E. L. Haff, Supt., Coffeyville, Kan. (Corp. M. Apr. '46) *MPR*

Coffield, Cecil C., Supt., Water Works & Sewers, City Bldg., Parkersburg, W.Va. (July '47)

Coffin, Edwin F., Jr., Asst. Engr. (R), U.S. Public Health Service, 15 Osborne St., Bloomfield, N.J. (Jan. '45) *P*

Coffin, George W., Coffin & Richardson, Inc., Cons. Engrs., 68 Devonshire St., Boston 9, Mass. (Jan. '45) *PR*

Coger, W. D., Supt., West Virginia Water Service Co., Weston, W.Va. (Affil. Jan. '42) *P*

Cohn, Albert A., Chief Chemist, El Paso Natural Gas Co., Box 959, Jal, N.M. (Jan. '48)

Cohrs, R. W., San. Engr., Dept. of National Health & Welfare, Family Allowances Box, Halifax, N.S. (Jan. '47) *P*

Colburn, B. S., Jr., Partner, Colburn & Weiss, Engrs., 803 Jackson Bldg., Asheville, N.C. (July '46) *PR*

Cole, A. B., Sr., Supt., Water Production & Parks, Box 831, Midland, Tex. (Oct. '39)

Cole, B. C., *see* Seven-Up Co., The

Cole, B. G., Chem. Engr., Water & Sewerage Dept., City Hall, Shreveport, La. (Oct. '39) *MP*

Cole, Charles W., Partner, Chas. W. Cole & Son, 220 W. La Salle St., South Bend, Ind. (Oct. '38)

Cole, E. Shaw, Chief Engr., Pitometer Co., 50 Church St., New York 7, N.Y. (Oct. '38)

Cole, Edward S., 133 Bellevue Ave., Upper Montclair, N.J. (June '02) *Honorary M. '43. M*

Cole, M. S., Water Works Supt., Dinuba, Calif. (Jan. '48)

Cole, Thomas A., Bacteriologist & Supt. of Filtration, 2 De Garmo Pl., Poughkeepsie, N.Y. (Jan. '35) *MPR*

Coleman, Charles E., Engr., De Laval Steam Turbine Co., Trenton 2, N.J. (Jan. '45)

Coleman, Earl L., Dist. Sales Repr., Worthington-Gamon Meter Co., 1016 King Rd., Ashland, Ohio (Oct. '45) *MPR*

Coleman, John A., Mgr., New York Water Service Corp., 367 White Plains Rd., White Plains, N.Y. (Jan. '45) *M*

Coleman, Robert F., Jr., Asst. City Engr., Office of City Engr., City Hall, Wilmington, N.C. (July '41) *P*

Coleman, Thomas W., Mgr., Commonwealth Water Co., 13 Beechwood Rd., Summit, N.J. (Jan. '44) *MR*

Coles, L. Dudley, Chief Engr., Dept. of Public Works, City Hall Annex, Newark 2, N.J. (July '43)

Colfax Water Dept., Hans S. Paulson, Supt., Colfax, Wash. (Corp. M. Jan. '47) *MR*

Collar, Ira T., Jr., Dist. Mgr., Neptune Meter Co., 25 W. 15th St., North Kansas City 16, Mo. (Oct. '38)

Collier, F. E., Supt., Munic. Water Works, 253 Broad St., Cookeville, Tenn. (Apr. '26) *M*

Collier, Meredith, Supt. of Constr. & Distr., Water Works, 646 Hemphill Ave., N.W., Atlanta 3, Ga. (Jan. '41)

Collings, William E., Supt., Borough of Collingswood, 713 Lees Ave., Collingswood, N. J. (Oct. '38)

Collins, Don W., City Mgr., City Hall, Colby, Kan. (Jan. '48)

Collins, Eugene C., Acting Supt., Water Dept., Box 58, Hayward, Calif. (Jan. '48)

Collins, Francis W., Cons. Engr., Governor St., Ridgefield, Conn. (Oct. '47) *MPR*

Collins, Fred C., Water Plant Supt., Walnut Irrigation Dist., 2701 Passons Blvd., Rivera, Calif. (July '42)

Collins, R. E., Sales Repr., Worthington-Gamon Meter Co., 1808 National Standard Bldg., Houston, Tex. (Jan. '44) *MP*

Collins, Rex, Collins Eng. Co., 222 Arnote Bldg., McAlester, Okla. (Jan. '44)

Collins, T. H., Mgr., Water Works & Gas Plant, Ozark, Ala. (Jan. '46) *MPR*

Collins, W. D., Chemist, Box 284, Benjamin Franklin Station, Washington 4, D.C. (Dec. '25) *PR*

Collins, W. L., Repr., Viking Supply Co., 3111 Culver St., Dallas 10, Tex. (Jan. '47)

Collins, Willis E., Chief, Refuse, Insect & Rodent Control, Maint. & Repair Div., Corps of Engineers, 5th Army Headquarters, Chicago, Ill. (Apr. '46) *P*

Collison, Lloyd S., Supt., Waterworks Distr. System, Box 74, Hamilton, Ont. (Jan. '48)

Collyer, William, I., *see* White Plains Dept. of Public Works

Colonial Heights, City of, Joseph E. Hardy, Supt., Water Dept., Petersburg, Va. (Corp. M. Apr. '48)

Colston, Robert, Dist. Repr., Calgon, Inc., 53 W. Jackson Blvd., Chicago 4, Ill. (Apr. '41) *P*

Coltart, Rodney F., Engr., San. Eng. Div., Link-Belt Co., 2045 Hunting Park Ave., Philadelphia 40, Pa. (Jan. '42) *P*

Columbia, J. Z., Chemist, Filter Plant, Langeloth Water Co., R.D. No. 3, Burgettstown, Pa. (Apr. '40) *P*

Columbus Water Dept., Adair L. Cox, Supt., City Hall, Columbus, Miss. (Corp. M. July '48)

Colvin, C. C., Supt., Water Works, Box 193, Boca Raton, Fla. (Oct. '46)

Colvin, Dean E., Field Engr., Infilco, Inc., 244 Plymouth Bldg., Minneapolis 2, Minn. (July '45) *P*

Colvin, Herbert A., Mgr., South Bay Cons. Water Co., Inc., 89 E. Main St., Bay Shore, N.Y. (Oct. '45) *M*

Community Public Service Co. [Cameron], L. W. Smith, Supt. & Local Mgr., Box 570, Cameron, Tex. (Corp. M. Jan. '46)

Community Public Service Co. [Fort Worth], R. W. Hester, Asst. Water & Gas Supt., Water Works Management Div., Fort Worth Electric Bldg., Fort Worth, Tex. (Corp. M. Jan. '47)

Community Public Service Co. [Memphis], W. V. Coursey, Mgr., Memphis, Tex. (Corp. M. Jan. '47) *M*

Community Public Service Co. [Texas City], Loy Jordan, Local Mgr., Texas City, Tex. (Corp. M. Jan. '46)

Compton, C. C., Chief Operator, Filtration Plant, Box 223, Benham, Ky. (July '45) *P*

Compton, Harold E. T., Chief Engr., United Filters & Eng., Ltd., "Pertenhall," Mayfield Ave., Orpington, Kent, England (Jan. '39)

Comstock, C. D., Supt., Water Works, Sodus Point, N.Y. (Apr. '39) *P*

Concord Board of Light & Water Comrs., T. O. Sills, Water Comr., 467 Harris St., Concord, N.C. (Corp. M. Apr. '43) *M*

Cone, G. S., *see* Kerrville, City of

Conine, W. R., Resident Engr., Keis & Holroyd, Cons. Engrs., 1524 S.E. 1st St., Fort Lauderdale, Fla. (Apr. '47)

Conkling, Harold, Cons. Engr., 108 W. 6th St., Los Angeles 14, Calif. (Oct. '39) *R*

Conlan, James F., Mgr., Water Dept., 196 Madison Rd., Scarsdale, N.Y. (Apr. '34) *M*

Conn, Fred, Edison Water Supply, Box 29, Edison, Wash. (Jan. '48)

Connell, C. H., Assoc. Prof. of San. Chemistry, Dept. of Preventive Medicine & Public Health, Univ. of Texas Medical Branch, Galveston, Tex. (Jan. '38) *P*

Connell, C. J., Partner, Black Hawk Soft Water Service, 1528 Waterloo Rd., Cedar Falls, Iowa (Jan. '47)

Connell, Maurice H., Sr. Partner, Maurice H. Connell & Assoc., 202 Langford Bldg., Miami 32, Fla. (July '42)

Connelly, Earl J., Sales Engr., 708 Braniff Bldg., Oklahoma City 2, Okla. (July '46)

Connelly, John J., Comr., Passaic Valley Water Com., 800 Bloomfield Ave., Clifton, N.J. (Oct. '43)

Connelly, John T., Sales Repr., The Kennedy Valve Mfg. Co., 411 W. Gray St., Elmira, N.Y. (Jan. '46)

Connerton, John F., Supt. of Pumping Stations, Louisville Water Co., 3015 Grinstead Drive, Louisville 6, Ky. (Apr. '47) *M*

Connolly, Donal J., *see* Trenton Water Works

Connolly, Joel I., Asst. to Pres., Board of Health, Chicago 10, Ill. (June '30) *PR*

Connor, C. M., Mgr., Research & Development, The Ohio Boxboard Co., Rittman, Ohio (Jan. '38)

Connor, James W., Chief Clerk, City Water Bureau, City Hall, Camden, N.J. (Oct. '43)

Connor, John W., Constr. Engr., International Water Co., Apdo. 630, Quito, Ecuador (Oct. '47)

Connors, Joseph J., Bacteriologist-Chemist, San. Dept., East Bay Munic. Utility Dept., 512—16th St., Oakland 4, Calif. (Oct. '42) *P*

Conrad, William F., Supt., Water Dept., City Hall, Bicknell, Ind. (Oct. '40) *MP*

Consoer, Arthur Wardell, Chief Exec. Partner, Consoer, Townsend & Assoc., 351 E. Ohio St., Chicago 11, Ill. (July '39) *P*

Consolidated Chemical Industries, Inc., A. P. Jones, Asst. Sales Mgr., 640 Mellie Esperson Bldg., Houston 2, Tex. (Assoc. M. July '35)

Consolidated Water Power & Paper Co., Mailing No. 26, Wisconsin Rapids, Wis. (Corp. M. Jan. '45)

Consolidated Western Steel Corp. [Los Angeles], J. G. Thompson, Contracting Mgr., Mech. & Equip. Div., Box 2015 Terminal Annex, Los Angeles 54, Calif. (Assoc. M. Oct. '40)

Consolidated Western Steel Corp. [San Francisco], P. M. Cobb, Vice-Pres., 141 Battery St., San Francisco 11, Calif. (Assoc. M. Aug. '24)

Converse, Joseph Brandly, Pres., J. B. Converse & Co., Inc., Engrs., Box 1084, Mobile 6, Ala. (Jan. '42) *PR*

Conway, Eugene S., Commercial Mgr., Jamaica Water Supply Co., 161-20—89th Ave., Jamaica, N.Y. (Jan. '48)

Cook, A. D., Inc., Joe Downs, Exec. Vice-Pres., 12 Brown St., Lawrenceburg, Ind. (Assoc. M. June '14)

Cook, Arwin Earl, Secy. & Gen. Mgr., Narbonne Ranch Water Co. No. 2, Box 92, Lomita, Calif. (Jan. '41) *M*

Cook, Frederick S., Pacific Coast Mgr., Robert W. Hunt Co., 251 Kearny St., San Francisco 8, Calif. (Oct. '37) *M*

Cook, James R., Mgr., Puerto Rico Office, Buck, Seifert & Jost, 409 Industrial Algodonera Bldg., Santurce, P.R. (Jan. '37) *PR*

Cook, John H., 137 Ellison St., Paterson, N.J. (July '06) *Honorary M. '47.*

Cook, Lawrence Harvey, Cons. San. Eng., Cook Research Labs., 950 Crane St., Menlo Park, Calif. (Jan. '29) *MPR*

Cook, Leland B., Cons. Engr., 517 S. Spring St., Tupelo, Miss. (Jan. '47)

Cook, Loy E., Supt., Water Works, 220 S. I St., Madera, Calif. (Oct. '39)

Cook, Paul D., Lake County San. Engr., Dept. of Water & Sewerage, Court House, Painesville, Ohio (Mar. '34) *Fuller Award '48. MP*

Cook, Will W., Sales Engr., Hugh G. Purcell Co., 323 Colman Bldg., Seattle 4, Wash. (Apr. '38) *PR*

Cook, William J. M., Chief Chemist, Neckar Water Softener Co., Ltd., Artillery House, Artillery Row, London, S.W.1, England (June '34)

Cooke, Harold D., Civ. Engr., Dept. of Water Supply, Gas & Elec., Borough Hall, Kew Gardens, N.Y. (Jan. '48) *M*

Cooper, A. F., *see* Bricelyn, Village of

Cooper, George W., Gen. Mgr., Monterey Bay Water Co., Box 801, Santa Cruz, Calif. (Oct. '43) *M*

Cooper, Harold U., Supt., Water & Light Board, Box 64, Waseca, Minn. (Jan. '47)

Cooper, Hilton, H., Jr., Dist. Engr., U.S. Geological Survey, Tallahassee, Fla. (July '43) *R*

Cooper, J. E., Supervisor, Water & Wastes Lab., Medical Sec., Ford Motor Co., Dearborn, Mich. (July '40) *PR*

Cooper, M. B., Supt., Canal & Water Works Dept., Augusta, Ga. (May '33) *M*

Cooper, Robert A., Dist. Repr., The Permutit Co., 404 Hildebrandt Bldg., Jacksonville 2, Fla. (Apr. '46) *P*

Cooper, S. C., Partner, Parkhill & Cooper, Cons. Engrs., 1006—14th St., Lubbock, Tex. (Oct. '44) *PR*

Cooper, W. D., Mgr., Crockett County Water Control & Improvement Dist. No. 1, Ozona, Tex. (Jan. '46) *M*

Coote, Richard, Supt. of Filtration, 201 Lincoln Way, Valparaiso, Ind. (Oct. '39) *P*

Cope, Ralph C., Water Assessment Supervisor, Water Div., Dept. of Public Utilities, 100 City Hall, St. Louis, Mo. (Apr. '46) *M*

Copeland, Kern H., Major, Station Hospital, Camp Stoneman, Pittsburg, Calif. (July '47)

Copeland, Ross A., Supt., Pipe Constr., Dept. of Water & Power, 5720—8th Ave., Los Angeles 43, Calif. (Oct. '30)

Copley, John G., *see* Elmira Water Board

Coppage, John S., Dist. Service Engr., The Flox Co., Inc., 95 Market St., Oakland 4, Calif. (Jan. '46) *P*

Copper & Brass Research Assn., Theodore E. Veitcort, 420 Lexington Ave., New York 17, N.Y. (Assoc. M. Aug. '23)

Corbalis, James J., Jr., San. Engr., County of Fairfax, Fairfax, Va. (Apr. '42) *M*

Corbin, Malcolm D., Sr. Asst. Mech. Engr., Eng. Div., Dept. of Water Supply, 735 Randolph St., Detroit, Mich. (Apr. '43) *M*

Corcoran, Harry J., Town Grading Engr., Iowa Inspection Bureau, 414 Insurance Exchange Bldg., Des Moines 9, Iowa (Jan. '34)

Corcoran, J. D., *see* East York, Township of

Cordle, Thomas Llewellin, City Mgr., Morganton, N.C. (Jan. '43) *MP*

Corey, R. H., Cons. Engr., 421 Corbett Bldg., Portland 4, Ore. (June '20) *MP*

Corfu, Village of, William Ehmann, Mayor, Water Dept., Corfu, N.Y. (Corp. M. Oct. '46) *M*

Corin, Magnus F., Dist. Mgr., Indus. Sales Dept., The Permutit Co., 34 S. 17th St., Philadelphia 3, Pa. (Apr. '10) *P*

Corine, George A., Vice-Pres. & Gen. Supt., Superior Water, Light & Power Co., 1230 Tower Ave., Superior, Wis. (Oct. '24) *MP*

Corle, Vernon B., Mgr., Westmoreland Water Co., 230 S. Pennsylvania Ave., Greensburg, Pa. (Oct. '43) *MPR*

Corley, E. M., Water Supt., City Water Works, 502 W. Oak St., Olney, Tex. (Oct. '46)

Cormier, Cylde F., *see* Preble Water Dept.

Cornejo, Antonio, Civ. & San. Engr., Paseo de la Reforma No. 1425, Lomas de Chapultepec, Mexico City, Mexico (Jan. '36)

Cornelius, Clarence C., Supt., Public Works, 706 Philadelphia Blvd., Sea Girt, N.J. (Oct. '39)

Cornell, Charles Brown, 638 S. Wayne Ave., Columbus 2, Ohio (May '28)

Cornell, Guy B., Asst. Supt., Water Dept., Crocker-Huffman Land & Water Co., Box 737, 621—17th St., Merced, Calif. (Oct. '38) *MR*

Cornell, Russel M., Asst. Prof., Dept. of Civ. Eng., Univ. of Minnesota, Minneapolis 14, Minn. (Jan. '47)

Cornell, W. M., Mgr., Public Utilities Com., 741 Queen St., E., Sault Ste. Marie, Ont. (Jan. '37)

Corning Water Dept., C. F. Wilson, Supt., Corning, N.Y. (Corp. M. Jan. '41)

Corns, Richard B., Supt., City Water Works, Elkhart, Ind. (Jan. '43)

Corpus Christi, City of, John W. Cunningham, Water Works Supt., City Hall, Corpus Christi, Tex. (Corp. M. Apr. '39)

Corr, Ray H., Supt. of Water, City Hall, Woodstock, Ill. (Apr. '42)

Correal, Hernando, Chief Engr., Lab. for Water Anal., Ministerio de Higiene, Govt. of Colombia, Bogota, Colombia (Apr. '47) *MP*

Correale, William H., Sales Repr., Badger Meter Mfg. Co., 2408—40th Ave., Long Island City, N.Y. (Jan. '48)

Corrington, C. E., Comr. of Public Property, 603 W. South St., Clinton, Ill. (Apr. '47) *M*

Corson, B. B., Mgr., El Dorado Water Co., Inc., 307 N. Washington, El Dorado, Ark. (Jan. '43) *M*

Corson, Benjamin I., Instructor, Camden County Vocational School, Pennsauken Township, 120 Woodland Terrace, Oaklyn, N.J. (Jan. '41)

Corson, Oscar, Civ. & San. Engr., 902 Highland Ave., Ambler, Pa. (Apr. '47) *MPR*

Cortese, J. R., Supt., Munic. Water Works, Livingston, Mont. (Mar. '25) *Director '45–'48.*

Corvison, Oscar E., Civ. Engr., F No. 614, Vedado, Havana, Cuba (Jan. '42)

Cory, J. C., Cory Eng. Co., Gen. Delivery, Ekalaka, Mont. (Jan. '44) *P*

Cosculluela, Juan A., Cons. Engr., Calle Linea No. 612, (Altos), Vedado, Havana, Cuba (Oct. '13) *Director '41. Fuller Award '47.*

Cosens, Kenneth W., Asst. Prof. of Civ. Eng., Dept. of Civ. Eng., Univ. of Texas, Austin 12, Tex. (Oct. '47) *PR*

Cossitt, Murray F., *see* Sydney Water Dept.

Costello, Charles Vincent, 24 Telegraph St., Binghamton, N.Y. (Affil. Jan. '41) *P*

Cote, Gaetan J., Cons. Engr., Crepeau, Cole & LeMieus, C.P. 659, 45 Wellington, N., Sherbrooke, Que. (Apr. '47)

Cote, George E., Supt., Wolf Creek Highway Water Dist., Route 5, Portland 1, Ore. (Apr. '48)

Cote, J. Charles, City Engr., City Hall, Sherbrooke, Que. (Jan. '45)

Cothard, E. L., *see* Brantford Public Utilities Com.

Cotter, George I., Gen. Supt., Water Utility, West Frankfort, Ill. (Jan. '48) *M*

Couch, L. I., Cons. Engr., Couch & Kulin, 224 Mansur Bldg., 312 E. Washington St., Indianapolis 4, Ind. (Jan. '44) *MP*

Coughlan, R. E., Chief Metallurgist & Engr. of Tests, Chicago & Northwestern Ry. Shops, 4200 W. Kinzie St., Chicago 24, Ill. (Feb. '23) *PR*

Coughlen, Harry G., Jr., Asst. Supt. of Pumping, Indianapolis Water Co., 113 Monument Circle, Indianapolis 6, Ind. (Jan. '37) *M*

Coughlin, L. J., 2771 Arrowhead, San Bernardino, Calif. (Oct. '38) *MP*

Coulson, H. W., Director, Paterson Eng. Co., Ltd., 21 Flambard Rd., Harrow, Middlesex, England (Jan. '46)

Coult, L. H., Chemist, Water & Light Com., Fairmont, Minn. (Jan. '46) *MP*

Coulter, Thomas H., *see* Montrose Water Board

Coulter, W. L., Supt., Water Works, Newcomerstown, Ohio (Oct. '45)

Coulthurst, Bruce, *see* Whatcom County Water Dist. No. 2

Coupal, Roy E., City Bacteriologist, Water Dept., Box 606, Eureka, Calif. (Jan. '40) *P*

Coursey, W. V., *see* Community Public Service Co. [Memphis]

Courtney, A. J., *see* Broken Hill Water Board

Cousins, J. E., Jr., Southern Repr., Layne-Atlantic Co., Box 2431, Orlando, Fla. (July '38) *M*

Covington, City of, James J. Banta, Supt., Light & Water Plant, City Hall, Covington, Ind. (Corp. M. Apr. '43)

Cowan, John G., Asst. Engr., of Constr., Dept. of Water & Power, 207 S. Broadway, Los Angeles 12, Calif. (Jan. '41) *R*

Cowden, Burney B., San. Engr., Polk County Health Dept., Box 819, Bartow, Fla. (Jan. '48) *MPR*

Cowham, Glenn W., Plant Supt., Water Works Dept., 123 W. 5th St., Montgomery, Ala. (Jan. '38) *M*

Cowles, M. Warren, Health Officer, Hackensack Water Co., Filtration Plant, New Milford, N.J. (Apr. '19) *MPR*

Cox, A. E., *see* Chillicothe Munic. Utilities

Cox, Adair L., *see* Columbus Water Dept.

Cox, Allen, Water Comr., Wellsville, Mo. (July '47) *P*

Cox, Charles Raymond, Chief, Water Supply Sec., Bureau of Environmental Sanitation, State Dept. of Health, Albany 1, N.Y. (July '21) *Fuller Award '40. Director '41–'44. P*

Cox, G. Luther, Pres. & Operator, Barnegat Water Co., Barnegat, N.J. (Apr. '45)

Cox, Joe E., Supt. of Water & Light Distr., City Hall, Gainesville, Fla. (Oct. '44)

Cox, K. E. (Miss), *see* West Virginia State Health Dept.

Cox, L. T., *see* El Paso City-County Health Dept.

Cox, Rupert Leslie, Chemist & Chem. Engr., E. I. du Pont de Nemours & Co., Inc., Box 1477, Richmond 12, Va. (Oct. '47) *MP*

Cox, W. P., *see* McWane Cast Iron Pipe Co.

Coy, Burgis G., *see* Fort Collins, City of

Crabbe, Ben F., Mfrs. Repr., 607 First National Bank Bldg., Birmingham, Ala. (July '35)

Crabill, Marshall P., Asst. Supt. of Purif., Indianapolis Water Co., 113 Monument Circle, Indianapolis 6, Ind. (Dec. '42) *P*

Crafton, Logan, Supt., City Water Works, City Hall, Bloomington, Ind. (Jan. '40) *M*

Craig, Charles P., 193 E. Cliff St., Somerville, N.J. (Jan. '42) *MP*

Craig, Erwin M., Supt., City of Zion, City Bldg., 2800 Elijah Ave, Zion, Ill. (July '41) *M*

Craig, O. C., Sebree, Ky. (July '35) *R*

Craig, Stanley R., Sales Engr., Burford, Hall & Smith, 140 Edgewood Ave., N.E., Atlanta, Ga. (July '46) *P*

Craig, W. G., *see* Grove Regulator Co.

Cramer, Clark J., Chief Engr., Lexington Water Co., Richmond Pike, R.F.D. No. 5, Lexington, Ky. (July '30) *Director '44–'47. M*

Cramer, H. Cable, Mgr., Catlettsburg, Kenova & Ceredo Water Co., Inc., 1309 Chestnut St., Kenova, W.Va. (Jan. '40) *M*

Cramer, John W., Partner, Fulton & Cramer, 922 Trust Bldg., Lincoln 8, Neb. (Jan. '48) *PR*

Cranch, Eugene Thompson, Director of Public Works, City Hall, 515 Main St., New Rochelle, N.Y. (Mar. '22) *M*

Crane Co., W. P. Kliment, Engr. of Stds., 836 S. Michigan Ave., Chicago 5, Ill. (Assoc. M. Jan. '26)

Crane, D. Elrow, Supt., Water & Light Dept., Municipal Bldg., Columbia, Mo. (Oct. '43) *M*

Crane, D. W., Chemist, Water Supply Dept., Chesapeake & Ohio Ry. Co., 50 E. Broad St., Columbus 15, Ohio (Jan. '37) *P*

Crane, H. R., *see* Flexible Sewer-Rod Equipment Co.

Crane, Harlan B., Project Engr., Infilco, Inc., 60 E. 42nd St., New York 17, N.Y. (July '43) *P*

Crane, Harold L., Supt., Elizabethtown Water Co., Cons., 9 Wilson Terrace, Elizabeth, N.J., (Oct. '35)

Crane, Walter B., Secy. & Supt., Dover Plains Water Co., Dover Plains, N.Y. (Apr. '47) *MP*

Cranford, William H., Sr. Sanitarian, Kay County Health Unit, Box 483, Blackwell, Okla. (Jan. '39) *P*

Cranston, H. Howard, DBA-Cranston Water Supply, 457 W. Main St., Fredonia, N.Y. (Jan. '40) *R*

Cranston, John, *see* Walton Water Co.

Crase, George H., Gen. Sales Mgr., Sales Dept., Horton Steel Works, Ltd., 330 Bay St., Toronto 1, Ont. (Jan. '43)

Craven, W. L., Supt., Hatboro Borough Authority, 120 E. Montgomery Ave., Hatboro, Pa. (Apr. '45) *M*

Crawford, C. G., *see* Pelton Water Wheel Co.

Crawford, D. E., Town Engr., 211 Bessborough Drive, Leaside, Ont. (July '48)

Crawford, Leonard K., Cons. Engr., Crawford, Murphy & Tilly, Cons. Engrs., 400½ E. Adams St., Springfield, Ill. (July '47) *PR*

Crawford, Lawrence C., Dist. Engr., U.S. Geological Survey, 508 Hydraulic Lab., Iowa City, Iowa (Jan. '47) *R*

Crawford, Russell E., Engr., Alvord, Burdick & Howson, 1401 Civic Opera Bldg., Chicago 6, Ill. (Apr. '44) *MP*

Crawford, Stuart C., Cons. Chemist, Box 124, Franklin, Va. (Jan. '48)

Crawford, William H., 5013 N. Sydenham St., Philadelphia 41, Pa. (Jan. '36)

Creamer, Gertrude M. (Miss), Treas. & Gen. Mgr., Commonwealth Water Co., 99 Greenacres Ave., Scarsdale, N.Y. (Apr. '47)

Crecelius, S. F., Jr., Director of Public Utilities, City Hall, Corpus Christi, Tex. (Apr. '48) *MPR*

Creedmoor, Town of, J. H. Rogers, Supt., Water Dept., Creedmoor, N.C. (Corp. M. Jan. '43)

Crellin, Earle A., Asst. Engr. of Operation, Pacific Gas & Elec. Co., 245 Market St., San Francisco 6, Calif. (Jan. '46) *P*

Cremens, J. W., Jr., Sales Repr., Transite Pipe Dept., Johns-Manville Sales Corp., 222 N. Bank Drive, Chicago, Ill. (July '47) *M*

Crenshaw, T. B., 2321 W. 4th St., Joplin, Mo. (Oct. '47) *MPR*

Creole Petroleum Corp., N. M. Elmore, Petroleum Engr., Apdo. 172, Maracaibo, Venezuela (Corp. M. Oct. '46)

Crepeau, Louis, Director of Tech. Services & City Engr., City Hall, St. Hyacinthe, Que. (Jan. '46) *MPR*

Crete, City of, D. J. Drake, Water & Light Comr., Crete, Neb. (Corp. M. July '46)

Crist, Marion L., Engr., Marion L. Crist & Assoc., Union Life Bldg., Little Rock, Ark. (Feb. '33) *MP*

Critchlow, H. T., Chief Engr., Div. of Water Policy & Supply, State Dept. of Conservation, Trenton Trust Company Bldg., Trenton 8, N.J. (Feb. '30) *Fuller Award '48.*

Critoph, Dennis, Gen. Mgr., Critoph, Steen & Cave, 1155 W. Pender St., Vancouver, B.C. (Apr. '46) *MP*

Crocker, Bernard, Jr., Engr., 209 Lawyers Bldg., Raleigh, N.C. (Oct. '44) *P*

Crocker, Byron Atwell, Director of Public Works, Longview, Tex. (Oct. '45) *MPR*

Crockett, C. L., Chief Chemist, Motive Power Dept., Norfolk & Western Ry., Roanoke 12, Va. (Jan. '35) *Fuller Award '46. P*

Crockett, Ellsworth A., Chief Chemist, Polymer Corp., Ltd., Sarnia, Ont. (Jan. '48)

Crockett, Joseph L., Jr., Sr. San. & Public Health Engr., State Dept. of Health, 519 Dexter Ave., Montgomery, Ala. (Apr. '47) *P*

Crockett, Vernon P., Cons. Engr., Box 787, Sheffield, Ala. (July '48)

Croft, Harry P., 208 Maple Ave., Trenton 8, N.J. (Jan. '24)

Croll, Emiel A., 639 Putnam St., Orlando, Fla. (Sept. '93)

Cromer, Howard Lee, Utilities Contracting, 316 S.W. 7th St., Delray Beach, Fla. (Oct. '44) *M*

Cromwell, Samuel, Water Supt., Water Dept., Municipal Bldg., 8th & Washington Sts., Vancouver, Wash. (May '45)

Cronin, H. F., Chief Engr., Metropolitan Water Board, 173 Rosebery Ave., London, E.C. 1, England (Jan. '44)

Crosby, Lathrop, Asst. Supt., Water Div., Dept. of Public Utilities, 402 City Hall, Tacoma 2, Wash. (Jan. '36) *M*

Crosier, J. H., Sales Engr., 33 University Ave., Rochester 5, N.Y. (Apr. '44)

Croskey, J. W., Supt. & Supervisor, City Water Dept., Tama, Iowa (Jan. '47)

Cross, Arthur D., *see* Mount Holly Water Co.

Cross, John T., Prin. Filtration Chemist, South Dist. Filtration Plant, Chicago Water Purif. Div., 3300 E. Cheltenham Pl., Chicago 49, Ill. (Oct. '46)

Cross, R. C., *see* Alcoa Mining Co.

Crossett Public Utilities Co., R. D. Tucker, Mgr., Crossett, Ark. (Corp. M. Apr. '43)

Crothersville Water & Elec. Dept., Carl Bridges, Supt., Crothersville, Ind. (Corp. M. Apr. '44) *M*

Crow, Frank G., Gen. Mgr., Water Dept., Florence, Ala. (July '35) *M*

Crow, W. H., *see* Monroe, City of

Crow, William B., Asst. Supt., Water & Light Plant, 1909 N.W. 6th St., Gainesville, Fla. (July '47)

Croydon Corp. Water Undertaking, William C. Knill, Water Engr. & Mgr., 3 Wellesley Rd., Croydon, Surrey, England (Corp. M. Jan. '47) *MPR*

Cruce, B. H., *see* Edinburg, City of

Crusinberry, R. R., Supt. of Utilities, Cimarron, Kan. (July '36)

Crutchfield, B. W., Tech. Director, Company Rayonera Cubana, Apdo. 172, Matanzas, Cuba (Jan. '47) *M*

Crutchfield, C. C., *see* League of Texas Municipalities

Cruthers, Thomas, *see* Worthington Pump & Machinery Corp.

Cuba, Cia. de Acueducto de, S. A., Carlos M. Calvet, Pres., Gral. Lee 27, Manianao, Havana, Cuba (Corp. M. June '39) *Director '42–'45.*

Cuevas, Sergio, Administrator & Chief Engr., Puerto Rico Aqueduct & Sewer Service, Box 2832, San Juan 12, Puerto Rico (Oct. '44) *M*

Cullen, Bernard W., Supt., Water Pipe Extension, 404 City Hall, Chicago 2, Ill. (May '34) *M*

Cullen, Maude K. (Mrs.), Owner, Cullen Water Works, New Cumberland, W.Va. (Affil. Oct. '47)

Culler, Harley L., Supt., Water Dept., Eureka, Kan. (Jan. '46)

Culley, Walter M., Asst. San. Engr., Sanitation Dept., National Biscuit Co., 449 W. 14th St., New York 11, N.Y. (Apr. '43) *P*

Culligan Zeolite Co., Donald L. Porth, Director of Sales, 1856 Walter Ave., Northbrook, Ill. (Assoc. M. Apr. '38) *P*

Culp, Russell L., City Engr., Garnett, Kan. (July '48)

Culpeper, Town of, R. W. Huffman, Town Mgr., Culpeper, Va. (Corp. M. Oct. '44)

Culter, L. W., Cons. Engr., 3012 Vincent Rd., West Palm Beach, Fla. (Apr. '34) *P*

Culver, Robert H., Chem. Engr., Reynolds, Smith & Hill, Box 4817, Jacksonville 1, Fla. (July '48)

Culver, Willis O., Supt., Water Works, 170 E. Main, Milan, Mich. (July '46)

Culverson, Lester E., Supt., Water Dept., City Hall, Elgin, Ill. (Jan. '48)

Cumitz, George R., Tech. Supervisor, Floyd G. Browne & Assoc., 196 S. Main St., Marion, Ohio (Oct. '47)

Cunningham, D. R., Operator & Owner, Water Works, Box 68, Gunter, Tex. (Oct. '47)

Cunningham, Francis P., Engr., Neptune Meter Co., 4713 N. Knox Ave., Chicago, Ill. (Jan. '45)

Cunningham, George A., Sales Engr., Pittsburgh Equitable Meter Div., Rockwell Mfg. Co., 207 Euclid Ave., Birmingham, Ala. (Jan. '45)

Cunningham, John T., Jr., City Engr., City Water Dept., City Hall, Clarksville, Tenn. (Oct. '40) *M*

Cunningham, John W., Supt., Water Dept., Corpus Christi, Tex. (July '30) *MP*

Cunningham, John Wilbur, Cons. Engr., John W. Cunningham & Assoc., 1112 Spalding Bldg., Portland 4, Ore. (May '29) *PR*

Cunningham, Morrison B., Supt. & Engr., Water Dept., 203 Municipal Bldg., Oklahoma City 2, Okla. (Oct. '30) *Director '48–'51. MPR*

Cunningham, R. W., City Engr. & Water Supt., Emporia, Kan. (Jan. '47) *MP*

Cunningham, William A., Prof. of Chem. Eng., Univ. of Texas, 310 Chemical Engineering Bldg., Austin 12, Tex. (Jan. '45) *P*

Currens, Warren W., Supt. of Filtration, Passaic Valley Water Com., Box 268, Little Falls, N.J. (Jan. '39) *MPR*

Currie, Frank S., Mgr., Currie Eng. Co., 219 Anderson Bldg., San Bernardino, Calif. (Apr. '36) *P*

Curtis, John K., San. Engr., Ontario Dept. of Health, 24 Prince Arthur St., Toronto, Ont. (Apr. '46)

Cushing, R. M., Designing Engr., Headman, Ferguson & Carollo, Engrs., 948 Ash Ave., Tempe, Ariz. (July '41) *P*

Cuthiell, C., Supt., Public Utilities Com., Galt, Ont. (Apr. '29)

Cutler, Ralph W., Asst. Chief Engr., Consolidated Western Steel Corp., Box 2015 Terminal Annex, Los Angeles, Calif. (Jan. '41) *M*

Cutler-Hammer, Inc., C. S. Pinkerton, Mgr., Public Works & Utilities Sales, 12th St. & St. Paul Ave., Milwaukee 1, Wis. (Assoc. M. Jan. '36)

Cutler-Magner Co., Paul LaLiberte, Engr., 1116 Fidelity Bldg., Duluth, Minn. (Assoc. M. Oct. '41)

Cutsler, Edward M., Supt., Board of Public Affairs, Lowellville, Ohio (July '48)

Cuzick, W. E., 211 E. Ave. J., San Angelo, Tex. (Jan. '46)

Cypert, Roy P., San. Engr., State Dept. of Health, Austin, Tex. (Oct. '47)

Cyr, Rene, Asst. Chief San. Engr., Div. of San. Eng., Ministry of Health, 1570 St. Hubert St., Montreal 24, Que. (Jan. '34)

Dafoe, A. L., Supt., Water Works Dept., Public Utilities Com., Napanee, Ont. (Feb. '32) *M*

Dagley, Jack, Tech. Sales & Research Director, Burgess Zeolite Co., Ltd., 68/72 Horseferry Rd., Westminster, London, S.W.1, England (Apr. '48) *P*

Dahle, C. A., Supt., Water Utility, City Hall, Stoughton, Wis. (July '35) *M*

Dahlmeier, William F., Plant Supt., State Hospital, Moose Lake, Minn. (Jan. '46)

Dahout, Jule, 4733 Live Oak St., Bell, Calif. (Jan. '47)

Dale, H. B., Chemist, Chesapeake & Ohio Ry. Co., 407 C. & O. Station Annex, Huntington 19, W.Va. (July '37) *P*

Dalee, William A., Pres., Wm. A. Dalee, Inc., 9190 Roselawn Ave., Detroit 4, Mich. (July '38) *MP*

Dallach, W. A., 836 S. Michigan Ave., Chicago 5, Ill. (July '35) *P*

Dalton, Donald H., Engr., Washington Suburban San. Com., 4017 Hamilton St., Hyattsville, Md. (Apr. '48)

Daly, James A., Mng. Editor, *Engineering & Contract Record*, 347 Adelaide St., W., Toronto 2-B, Ont. (Jan. '45) *MPR*

Dalzell, William, Comr., Passaic Valley Water Com., 230 Grand St., Paterson, N.J. (Apr. '47)

Damann, Kenneth E., Botany Dept., Eastern Illinois State College, Charleston, Ill. (Jan. '44) *P*

Damberg, John F., Service Engr., Wallace & Tiernan Co., 1229 W. Washington Blvd., Chicago, Ill. (Oct. '46)

Damerow, Harry W., Supt., Public Utilities, City Hall, Vero Beach, Fla. (Dec. '26) *MP*

Damiano, Adolph, Distr. Engr., Hackensack Water Co., 4100 Park Ave., Weehawken, N.J. (Jan. '44) *MPR*

Damoose, N. G., City Mgr., Ypsilanti, Mich. (July '42) *MPR*

Dandridge, E. F., Director of New Business & Statistics—Water System, Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Oct. '34) *M*

Dandridge, J. S., Mgr., Munic. Water Plant, City Hall, Paris, Ark. (Apr. '46) *MP*

Daniel, Laurence H., Pres., Laurence H. Daniel, Inc., Baratillog 9, Havana, Cuba (Apr. '39) *P*

Daniels, Francis E., Chief Chemist, State Dept. of Health, Eng. Div., 4017 N. 2nd St., Harrisburg, Pa. (Sept. '16)

Daniels, P. N., San. Engr., 56 Maple Ave., Trenton 8, N.J. (Jan. '47) *P*

Daniels, Percy, Supt., Water Dept., Box 454, Weleetka, Okla. (Oct. '39)

Daniels, Roy D., Chemist, Water Works, City Bldg., Parkersburg, W.Va. (Jan. '47) *P*

Dannenbaum, J. B., Cons. Engr., 3940 Main St., Houston 2, Tex. (Oct. '44) *MPR*

Dan River Mills, Inc., H. C. Jones, Filter Plant Supt., Schoolfield Div., Danville, Va. (Corp. M. Apr. '48)

Dappert, Anselmo F., State Dept. of Health, State Bldg., Albany, N.Y. (Apr. '31)

Darby, Charles, City Engr., Sabetha, Kan. (Apr. '47)

Darby, George M., Mgr., Westport Mill Research & Testing Labs., The Dorr Co., Westport, Conn. (Apr. '36) *P*

Darby, W. A., Mgr., Eastern Territory, San. Eng. Div., The Dorr Co., 570 Lexington Ave., New York 22, N.Y. (June '27) *P*

Darcey, Henry J., Chief Engr., State Health Dept., State Capitol, Oklahoma City 5, Okla. (Jan. '43) *PR*

Darco Corp., L. M. Gill, 60 E. 42nd St., New York 17, N.Y. (Assoc. M. Jan. '36)

Dardis, John J., Secy.-Mgr., Water, Light & Power Com., 200—2nd St., Proctor 10, Minn. (Jan. '47)

Darling, Ernest Howard, Cons. Engr., 513 Pigott Bldg., 21 Stanley Ave., Hamilton, Ont. (Dec. '25) *P*

Darling, K. E., Gen. Mgr., Southern Wyoming Utilities, Rock Springs, Wyo. (Oct. '37) *MP*

Darling Valve & Mfg. Co., M. L. Hough, Pres., Williamsport 28, Pa. (Assoc. M. May '08)

Darmstadt, Earl, *see* Keuka College

Darvill, D. H., *see* Pietermaritzburg, City of

Daugherty, A. B., Supt., Water Works, Box 215, East Gary, Ind. (Jan. '41)

Daugherty, Frank, Pres., Scofield Eng. Co., 1324 Commercial Trust Bldg., Philadelphia 2, Pa. (Mar. '31) *MPR*

Daugherty, S. L., Supt., Water Works, West Liberty, W.Va. (Affil. July '47)

Dauphin, Town of, R. Fagen, Secy.-Treas., Dauphin, Man. (Corp. M. Jan. '47)

Davenport, George L., Jr., Hydr. Engr., Atchison, Topeka & Santa Fe Ry. Co., 121 E. 6th St., Los Angeles 14, Calif. (Oct. '47) *MPR*

Davenport, J. D., Pres. & Treas., Sturgis Water Works Co., Sturgis, S.D. (July '35) *M*

Davey, Margaret E. (Miss), Secy., Public Utilities Com., Bradford, Ont. (Jan. '46)

Davidson, Alex B., San. Engr., Schenley Distilleries, Inc., 26 E. 6th St., Cincinnati, Ohio (Apr. '46) *P*

Davidson, Frederick R., *see* Hicksville Water Dist.

Davidson, James B., Jr., Partner, Davidson & Davidson, Box 622, Ft. Smith, Ark. (Jan. '44) *M*

Davidson, John, 505 W. 1st Ave., Vancouver, B.C. (Apr. '46) *M*

Davies, S. Ladd, Partner, Davies & Davies, Contractors, 916 Pyramid Bldg., Little Rock, Ark. (Oct. '42)

Davis, Albert R., Supt., Water Dept., Austin 4, Tex. (Jan. '35) *Director '45–'48. M*

Davis, Ben G., Supt., Pipe Line, City of Rawlins, Rawlins, Wyo. (July '35) *R*

Davis, Carl H., Gen. Mgr., Wilkinsburg-Penn Joint Water Authority, 712 South Ave., Pittsburgh 21, Pa. (Jan. '48) *M*

Davis, Carleton E., Vice-Pres., Philadelphia Suburban Water Co., 762 Lancaster Ave., Bryn Mawr, Pa. (Apr. '12) *Trustee '16–'18. Vice-Pres. '19. President '20. Exec. Com. '21–'22. Honorary M. '39.*

Davis, Charles A., San. Engr., City & County of Denver, 372 City & County Bldg., Denver, Colo. (Oct. '43) *MP*

Davis, Charles N., Asst. Supt., Constr. & Distr., Water Dept., 646 Hemphill Ave., N.W., Atlanta, Ga. (Oct. '43) *M*

Davis, Charles W., Supt., Water Dept., City Hall, Petersburg, Va. (Jan. '43) *P*

Davis, Daniel E., Partner, The Chester Engrs., 210 East Parkway, N.S., Pittsburgh 12, Pa. (May '30) *Fuller Award '47. PR*

Davis, Don C., City Mgr., 415 S. Moore, Monterey Park, Calif. (Jan. '41) *M*

Davis, Edwin Dyers, Asst. Gen. Mgr., Dominion Flow Meter Co., Ltd., 54 Wellington St., W., Toronto 1, Ont. (Jan. '43) *PR*

Davis, G. S., Mgr., Water Com., Wood Bldg., 34 Beckwith St., S., Smiths Falls, Ont. (Apr. '48)

Davis, George J., Supt., West Slope Water Dist., 9025 S.W. Canyon Rd., Portland 1, Ore. (Apr. '46) *MP*

Davis, Gerald L., Chief Chemist, Water Works, Decatur 16, Ill. (Jan. '44) *P*

Davis, H. F., Dist. Mgr., Wallace & Tiernan Co., Inc., 513 S. Tryon St., Charlotte 2, N.C. (Dec. '23) *P*

Davis, H. M., Chemist, Canadian Breweries Research Inst., 496 Queen St., E., Toronto, Ont. (Jan. '47)

Davis, Herbert J., 122 W. Main St., Sebewaing, Mich. (Jan. '48)

Davis, Hubert, Supt., City Water Works, Box 449, Waco, Tex. (July '44) *MP*

Davis, Jack, Mgr., American Casting Service, 1508 S. Kenneth Ave., Chicago 23, Ill. (Apr. '43)

Davis, Kenneth, *see* North Creek Water Dist.

Davis, Marvin L., Director of Public Service, 203 Municipal Bldg., Akron 8, Ohio (Jan. '44) *MPR*

Davis, P. D., Partner, Piatt & Davis, Cons. Engrs., 111 Corcoran St. Bldg., Durham, N.C. (Oct. '39) *MPR*

Davis, R. E., Supt., Water Dept., Brownsville, Tenn. (Apr. '43)

Davis, S. H., Supt., McMechen Water Co., Box 446, McMechen, W.Va. (Mar. '34)

Davis, Stephen Kenneth, Vice-Pres., Sales Dept., Southern States Chemical Co., 1061 W. Marietta St., N.W., Atlanta, Ga. (Jan. '48) *P*

Davis, Telford R., *see* Ammerman, Davis & Stout, Inc.

Davis, W. P., Mgr., Belmont County Water Dist., Box 158, Belmont, Calif. (Oct. '45)

Davis, Wiley C., Bldg. & Water Comr., 2953 Mayfield Rd., Cleveland Heights, Ohio (Oct. '46)

Davis, William J., *see* Frederick, City of

Davy Eng. Co., Philip S. Davy, Vice-Pres., 502 Main St., La Crosse, Wis. (Corp. M. Jan. '48) *MPR*

Davy, Philip S., *see* Davy Eng. Co.

Dawes, E. A., Dawes Silica Mining Co., Thomasville, Ga. (Feb. '33)

Dawson, D. H., Sales Engr., Indus. Equipment Dept., Denver Fire Clay Co., 2301 Blake St., Denver, Colo. (July '47) *M*

Dawson, F. M., Dean, College of Eng., Univ. of Iowa, Iowa City, Iowa (Oct. '28) *M*

Dawson, V., Harry D., Ingeniero Jefe, Sección Control Sanitario, División de Obras Sanitarias, Ministerio de Fomento, Lima, Peru (Oct. '47) *MP*

Day & Zimmermann, Inc., Theodore E. Seelye, Vice-Pres., 620 Packard Bldg., Philadelphia 2, Pa. (Corp. M. Apr. '42) *M*

Day, Charles J., Vice-Pres., James B. Clow & Sons, National Cast Iron Pipe Div., Box 2542, Birmingham 2, Ala. (Jan. '45)

Day, Elroy K., San. Engr., San. Eng. Div., U.S. Public Health Service, Federal Security Bldg. S., Washington 25, D.C. (Jan. '48) *P*

Day, Isaac L., Supt., Public Works, Bureau of Water, 48 Wheeler Ave., Pleasantville, N.Y. (Apr. '38) *M*

Day, Kenneth A., Mech. Supervisor, Board of Water Comrs., City & County Bldg., Denver 1, Colo. (Apr. '47) *M*

Day, W. H., *see* Peerless Pump Div.

Daykin, Jason N., Supt., City Water Dept., Taylorville, Ill. (July '48)

Dayton Foundry, Charles J. Bradley, Plant Engr., 11803 Industrial Ave., Hollydale, Calif. (Assoc. M. Oct. '30)

Dean, Clay H., Asst. San. Engr., State Health Dept., 519 Dexter Ave., Montgomery, Ala. (July '48)

Dean, John Bowen, Div. Engr., Supply & Purifying Sec., Dept. of Public Utilities, St. Louis Water Div., 1640 S. Kingshighway, St. Louis 10, Mo. (Apr. '30) *P*

Dean, Louis, Box 477, Lynbrook, N.Y. (July '45)

Dearborn Chemical Co., C. I. Loudenback, Sales Engr., Water Works Div., 310 S. Michigan Ave., Chicago 4, Ill. (Assoc. M. June '27)

Deas, Richard Ryder, Jr., Research Director, Hamilton Research & Eng. Corp., Box 70, Anniston, Ala. (Jan. '41)

DeBerard, Emmons W., Cons. Engr., 802 Elmwood Ave., Wilmette, Ill. (Oct. '41)

DeBerard, W. W., City Engr., Dept. of Public Works, Bureau of Eng., 402 City Hall, Chicago 2, Ill. (June '12) *Honorary M. '42. Director '42–'45. MP*

De Boer, Sidney, Filter Plant Operator, 29 Moross Rd., Village of Grosse Pointe Farms 30, Mich. (Apr. '39) *P*

De Boise, Joseph, Asst. Supt., Water Works, 47 Main St., Lodi, N.J. (July '43)

de Brito, Francisco Saturnino, Jr., Civ. & Mining Engr., Escritório Saturnino de Brito, Rua Araujo Porto Alegre 64, 10°. andar, Rio de Janeiro, Brazil (May '30) *PR*

Decker, A. Clinton, San. Engr., Tennessee Coal, Iron & R.R. Co., Birmingham 2, Ala. (June '14) *Diven Medal '48. Director '47–'50. P*

Decker, L. D., Supt. of Water, 1 W. Main St., Ashland, Ohio (July '47)

Decker, L. L., Supt., Water Dept., Leroy, Ohio (Apr. '43) *P*

Decker, R. E., Mech. Engr., Bellevue, Mich. (Oct. '42)

Deckman, William J., Repr., Keasbey & Mattison Co., 1500 Walnut St., Philadelphia 2, Pa. (Oct. '47) *MPR*

De Costa, Joseph D., Engr. in Charge of Distr., East Bay Munic. Utility Dist., 512—16th St., Oakland 4, Calif. (Sept. '23) *M*

Dees, Ben W., Assoc. Engr., Marion L. Crist & Assoc., 508 Union Life Bldg., Little Rock, Ark. (Apr. '43) *P*

DeGeer, Byron W., Engr., Water Service, Great Northern Ry. Co., 1217 Great Northern Ry. Bldg., St. Paul 1, Minn. (Oct. '44) *R*

Degen, John J., Civ. Engr., Degen Eng. Co., 817 Geneva St., Burlington, Wis. (Jan. '42)

de Goicoechea, Leandro, Prof. of San. Eng., School of Eng., Havana Univ., Havana, Cuba (July '38) *Director '48–'51. PR*

De Groot, J. C., Mgr., Northampton Borough Munic. Authority, 1717 Main St., Northampton, Pa. (Jan. '31) *MP*

De Hart, Jessup, 422 W. 4th St., Bicknell, Ind. (Oct. '42) *MP*

DeHaven, Edward, Branch Mgr., Culligan Zeolite Co., 1084 University Ave., St. Paul 4, Minn. (Apr. '47)

De Hooge, Frank J., Chemist & Chief Watershed Inspector, Passaic Valley Water Com., Union Ave. & Riverview Drive, Little Falls, N.J. (Jan. '45) *P*

Deighton, John T., Comr. & Pres., Passaic Valley Water Com., 137 Ellison St., Paterson 1, N.J. (Oct. '43) *M*

Deitrich, Charles R., Supt., City Water Dept., Millersburg, Ohio (Oct. '45) *M*

Deitrick, Le Roy, Supt., Water Dept., City Hall Bldg., Danville, Pa. (June '37) *MP*

De Jarnette, N. M., Engr., Div. of Public Health Eng., State Dept. of Public Health, 245 State Office Bldg., Atlanta 3, Ga. (Mar. '30) *P*

deJong, Tim, Civ. Engr., c/o U.S. Embassy, Kabul, Afghanistan (Jan. '42)
De Korn, Joseph P., *see* Grand Rapids Water Works
De Korte, Cornelius, Supt., Water Works, Waldwick, N.J. (Apr. '47) *M*
De Laporte, A. V., Chem. Engr., Ontario Dept. of Health, 807 Richmond St., W., Toronto, Ont. (July '37)
DeLaueier, M. E., Gen. Sales Mgr., Gordon & Belyea, Ltd., 101 Powell St., Vancouver, B.C. (Jan. '48)
De Laval Steam Turbine Co., J. P. Stewart, Mgr., Commercial & Marine Div., Trenton 2, N.J. (Assoc. M. Nov. '17)
Delavan Water Com., Merle H. Clapper, Supt., Delavan, Wis. (Corp. M. June '23)
De Leuw, Charles E., Pres., De Leuw, Cather & Co., 150 N. Wacker Drive, Chicago 6, Ill. (Nov. '23) *P*
Delphi Water Works, Clyde Robbins, Water Supt., Delphi, Ind. (Corp. M. Apr. '40) *M*
DeMartini, Frank Edward, San. Eng. Div., U.S. Public Health Service, 3rd & D Sts., S.W., Washington 25, D.C. (Sept. '27) *PR*
Demers, George, Cons. Engr., 71 St. Pierre St., Quebec, Que. (Apr. '48)
Deming Water Dept., A. J. Noyes, Supt., Deming, N.M. (Corp. M. May '19) *M*
Dempster, Andrew T., Assoc. San. Engr., Bureau of San. Eng., Dept. of Health, 334 Bates St., Detroit 26, Mich. (Oct. '39) *MPR*
De Nault, George B., Jr. Civ. Engr., Catskill-Croton Div., Dept. of Water Supply, Gas & Elec., Valhalla, N.Y. (Oct. '44)
Denef, Herman, *see* Hanover Public Utilities Com.
Denise, William D., *see* Greece, Town of, Water Dept.
Denkler, Herman, Supt. of Distr., Missouri Water Co., 123 W. Kansas, Independence, Mo. (Apr. '48)
Dennett, Robert Clark, Asst. Chief Engr., National Board of Fire Underwriters, 85 John St., New York 7, N.Y. (May '14) *R*
Dennis, Carl E., City Mgr., Water Dept., Rockford, Mich. (Oct. '46) *MP*
Dennis, Joseph M., Sr. San. Engr., Eng. Div., State Dept. of Public Health, 420—6th Ave., N., Nashville, Tenn. (July '47) *PR*
Denton Water, Light & Sewer Dept., T. S. Pennebaker, City Engr., 221 N. Elm St., Denton, Tex. (Corp. M. Jan. '46)
Denver, City & County of, Administration Div., Board of Water Comrs., George F. Hughes, Mgr., Box 629, Denver 1, Colo. (Corp. M. Apr. '34) *M*
Denyes, P. C., Mgr., Water & Light Com., Box 440, Campbellford, Ont. (Jan. '41)
Deo, R. R., Chief Chemist, Paterson Eng. Co. (India), Ltd., Box 26, Civil Lines, Nagpur, India (Oct. '38)
de Paiva Castro, Paulo, Engr., 777 Rua Duarte da Costa, São Paulo, Brazil (Oct. '45)
Derby, Ray L., Prin. San. Engr., Dept. of Water & Power, 207 S. Broadway, Los Angeles 12, Calif. (May '26) *PR*
Deringer, W. A., Director of Ceramic Research, A. O. Smith Corp., 3533 N. 27th St., Milwaukee, Wis. (Jan. '46) *PR*
de Santamaria, Carlos S., San. & Civ. Engr., Apdo. No. 409, Bogotá, Colombia (Jan. '35)
Des Baillets, C. J., Chief Engr., Eng. Div., 3161 Joseph St., Verdun, Que. (Mar. '34) *Fuller Award '45. P*
de Sena, Luis, Co-owner & Cons. Engr., Sancti Spiritus Acqueduct, Calle 13 esq. 6, Vedado, Havana, Cuba (Oct. '40)
de Silva Guimaraes, Carlos, a/c Servico de Aquas e Esgotos, Avenida Sete de Setembro, Salvador, Bahia, Brazil (July '48)
Desjardin, Roger, *see* Quebec Provincial Transportation & Communication Board
Deslauriers, Alfred J., City Engr. & Water Works Supt., City Hall, No. 1—18th Ave., Lachine, Que. (Dec. '33) *MP*
Des Moines Water Works, Dale L. Maffitt, Secy. & Gen. Mgr., Des Moines 7, Iowa (Corp. M. Jan. '36)
Desmond, Henry J., Asst. Supt., Munic. Water Works, 110 E. 126th St., Hawthorne, Calif. (Oct. '43) *MP*
Desmond, Leo E., Eastern Sales Mgr., Universal Pipe Div., The Central Foundry Co., 386—4th Ave., New York 16, N.Y. (Apr. '46)
Detroit Edison Co., The, Henry S. Walker, Director of Research, 2000—2nd Ave., Detroit 26, Mich. (Corp. M. Apr. '44) *P*
Detweiler, John C., Water Engr., Water Operation Dept., Metropolitan Utilities Dist., Utilities Bldg., 18th & Harney Sts., Omaha 2, Neb. (Mar. '30) *Director '47–'50. MP*
Deuchler, Walter E., Cons. Engr., Walter E. Deuchler Co., Cons. Munic. Engrs., 63 S. La Salle St., Aurora, Ill. (Oct. '41) *PR*
Deuel, W. W., *see* North St. Paul Public Utilities Com.
Deutsch, Fred W., Mgr. of Standard Products, Builders Providence, Inc., 9 Codding St., Providence 1, R.I. (Apr. '45) *P*
Devendorf, Earl, Asst. Director, Div. of Environmental Sanitation, State Health Dept., Albany, N.Y. (May '19) *Diven Medal '43. Fuller Award '43. MP*
Devilbiss, Howard Roland, Constr. Engr., Washington Suburban San. Dist., Hyattsville, Md. (Apr. '22) *M*

Devinney, Robert J., Distr. Engr., New York City Dept. of Water Supply, Gas & Elec., Municipal Bldg., New York, N.Y. (Jan. '48) *M*

DeVoe, Ralph, Water Supt., Water Dept., City Hall, Norman, Okla. (Oct. '46)

Devore, E. J., Supt., Boro Water Works, 403 Center St., Cambridge Springs, Pa. (Affil. July '41) *MP*

deWaard, Herman, Supt., Water Dept., 44 Washington Ave., Suffern, N.Y. (Apr. '43)

Dewey, Hugh S., Pres., Western New York Water Co., 11 Niagara St., Buffalo 2, N.Y. (May '29) *Director '44–'47. MP*

DeWitt, Fred A., Sales Engr., Michigan Hydrant & Valve Co., 8747 Brandt, Dearborn, Mich. (Apr. '48)

De Wolf, Anson B., Cons. Engr., William Sydow, Cons. Engr., 2376 S.W. 21st St., Miami, Fla. (Jan. '40)

D'Gerolamo, Paul, Purchasing Agt. & Asst. Mgr., East Jefferson Water Works No. 1, Box 144, Kenner, La. (Oct. '42)

Diamond Alkali Co., J. D. Mattern, Asst. Director of Sales, 300 Union Commerce Bldg., Cleveland 14, Ohio (Assoc. M. Apr. '37)

Diamond, George C., Chief Engr., Water Dept., 3423 S. Austin Blvd., Cicero 50, Ill. (Oct. '45) *P*

Dibble, J. C., Drilling Contractor, 604 Patrick St., Kissimmee, Fla. (Jan. '47)

Dice, R. C., Mgr., Dice Chemical Co., Indus. Chemical Supplies, 2—2nd St., Des Moines 9, Iowa (Jan. '47)

Dick, John Parsons, Asst. Plant Mgr., Dominion Magnesium, Ltd., Haley, Ont. (Jan. '46) *M*

Dickinson, W. Dewoody, Pres., Dickinson & White, Inc., Cons. Engrs., 115 N. Spring St., Little Rock, Ark. (Jan. '46) *P*

Dickson, D. B., 1819 Pearl St., Wichita Falls, Tex. (Jan. '39) *P*

Dickson, W. K., Pres., Dickson & Stillwell, Inc., Civ. Engrs., 404½ S. Tryon St., Charlotte, N.C. (Apr. '38) *MP*

Diederich, Peter, *see* Glendale Public Service Dept.

Diehl, F. D., Supt., Water & Elec. Dept., 111 S. Main St., McPherson, Kan. (Jan. '45)

Diehl Pump & Supply Co., Inc., Robert B. Diehl, Pres., 800 Fehr Ave., Louisville 4, Ky. (Assoc. M. July '42)

Diehl, Robert B., *see* Diehl Pump & Supply Co., Inc.

Diemer, Robert B., Chief Operator & Maint. Engr., Metropolitan Water Dist. of Southern California, 306 W. 3rd St., Los Angeles 13, Calif. (Oct. '37)

Dier, Clifford L., Secy.-Treas., Harold Hoskins & Assoc., Inc., 231 N. 11th St., Lincoln, Neb. (July '48)

Dierker, Fred H., Asst. Engr., Orange County Sanitation Dists., 401 W. 6th St., Santa Ana, Calif. (Oct. '42) *R*

Dietz, Irving M., Jr., Hydr. & San. Engr., Public Works Dept., Naval Air Station, Corpus Christi, Tex. (July '45) *MP*

Dietz, Jess C., Asst. Prof. of San. Eng., Univ. of Illinois, 418 Engineering Hall, Urbana, Ill. (Apr. '47) *P*

Dignan, B. T., 140—1st St., Niagara Falls, N.Y. (Apr. '19)

Dillery, R. E., Supt., Water Works, Guthrie, Ky. (Jan. '43)

Dillon, G. M., Supt., Public Works, Borough of Braddock, 727 Braddock Ave., Braddock, Pa. (Apr. '38) *M*

Dillon, Richard, Registrar, Water Bureau, Metropolitan Dist., 650 Main St., Hartford 4, Conn. (Aug. '29)

Dilworth, H. M., Project Engr., Univ. Endowment Lands, Dept. of Lands & Forests, 5495 Chancellor Blvd., University Hill, B.C. (Jan. '38) *M*

Dimick, Arthur E., Asst. Secy., Water Com., 125 N. Walnut St., Appleton, Wis. (Apr. '29) *M*

Dingler, Edward L., Jr., Refractories Engr., Carborundum Co., 2759 E. Grand Blvd., Detroit, Mich. (Apr. '48)

Disario, Gabriel, Cons. Engr., Ave. el Bosque 2D, La Florida, Caracas, Venezuela (Apr. '43)

District of Columbia Govt., Harold A. Kemp, Director of San. Eng., District Bldg., Washington 4, D.C. (Corp. M. Apr. '31)

Ditchburn, A. E., *see* Strathroy Public Utilities Com.

Diven, John M., Engr., The Leadite Co., Inc., 34–45—84th St., Jackson Heights, N.Y. (June '13) *Fuller Award '48.*

Diven, Melvin H., Supt. & Secy., Mt. Union Borough Water Works, Box 96, Mt. Union, Pa. (July '35) *M*

Divine, Leslie T., Water Plant Operator, Monticello, N.Y. (Jan. '36) *M*

Dixie Lime Products Co., T. F. Sheridan, Box 578, Ocala, Fla. (Assoc. M. Apr. '37)

Dixon, G. Gale, Cons. Engr., Parsons, Brinckerhoff, Hall & Macdonald, 51 Broadway, New York 6, N.Y. (June '20) *P*

Dixon, James I., Supt., Water Dept., 401 Benton St., Santa Clara, Calif. (May '26)

Dixon, Joseph, Crucible Co., Richard H. Horner, Mgr., Paint Sales Div., 167 Wayne St., Jersey City 3, N.J. (Assoc. M Oct. '40)

Dixon, M. F., Water Purif. Supt., Water Plant, Water Dept., Billings, Mont. (Jan. '44) *P*

Dixon, Robert M., Mng. Director, Munic. Contractors Assn., 212 Thomas Bldg., Dallas 2, Tex. (Apr. '38) *P*

Doane, Norman D., Dist. Sales Mgr., The Permutit Co., 831 E. Morehead St., Charlotte 3, N.C. (Sept. '31) *P*

Dobbin, Ross L., Gen. Mgr., Utilities Com., 295 Reid St., Peterborough, Ont. (Feb. '23) *Trustee '26–'28. Diven Medal '30. President '32. Director '32–'33. Honorary M. '37. M*

Dobkiewicz, Hedwig M. (Miss), Chemist, Pennsylvania Sugar Div., The National Sugar Refining Co., 1037 N. Delaware Ave., Philadelphia 25, Pa. (July '47) *P*

Dobson, John G., Engr., 183 East St., Sharon, Mass. (Jan. '45) *P*

Docal, Antonio T., Civ. Engr., Calle 27, No. 902, Vedado, Havana, Cuba (July '38) *MP*

Dodd, C. I., Black & Veatch, 4706 Broadway, Kansas City 2, Mo. (July '44)

Dodd, C. K. S., Cons. Engr., 319–20 Commercial and Professional Court Bldg., Sarasota, Fla. (Jan. '36) *P*

Dodd, W. Stanley, 601 Pan American Bank Bldg., Miami 32, Fla. (Jan. '46)

Dodge, Fred L., Vice-Pres. & Gen. Mgr., California Water Service Co., 374 W. Santa Clara St., San Jose, Calif. (July '26) *M*

Dodge, George S., *see* Montebello Land & Water Co.

Dodge, H. E., City Engr. & Water Supt., City Hall, Port Angeles, Wash. (Jan. '41) *M*

Dodson, J. W., Dist. Sales Mgr., Culligan Zeolite Co., 1220 Huron Rd., Cleveland, Ohio (Apr. '47)

Dodson, Roy E., Jr., San. Engr., Water Dept., 602 Civic Center, San Diego 1, Calif. (July '39) *P*

Doland, James J., Prof. of Hydr. Eng., Univ. of Illinois, 317 Engineering Hall, Urbana, Ill. (Nov. '29) *R*

Dold, Herbert H., Plant Chemist, Louisville Cement Corp., Speed, Ind. (Jan. '41) *P*

Doll, Byron E., Asst. Supt., P. J. Walker Co., Builders, 3900 Whiteside Ave., Los Angeles, Calif. (July '39) *MP*

Dollison, D. H., *see* South Pasadena, City of

Dolson, Frank E., Distr. Engr., St. Louis County Water Co., 6600 Delmar Blvd., University City 5, Mo. (Oct. '45) *MP*

Dominick, Willard H., Mgr., Wichita Meter Supply & Repair Co., 2311 E. 9th St., Wichita, Kan. (Apr. '46)

Dominion Bridge Co., Ltd., James Robertson, Mgr., Structural Plant, 275—1st Ave., W., Vancouver, B.C. (Assoc. M. Jan. '45)

Domke, L. C., Supt., Water Works System No. 2, Div. of Pumping & Filtration, Lake Front, Waukegan, Ill. (Jan. '41) *MP*

Domogalla, Bernard, 723 W. Johnson St., Madison 5, Wis. (Feb. '26) *P*

Donahue, Thomas F., San. Engr., Water Purif. Div., Bureau of Eng., City Hall, Chicago 2, Ill. (Apr. '30) *P*

Donald, E. R., Pres., Citizens Water Co., 247 N. 13th St., Allentown, Pa. (Oct. '44)

Donaldson, Edgar F., Chief Engr., Water Works, R.D. No. 1, Defense Highway, Annapolis, Md. (Feb. '32) *MP*

Donaldson, Francis H., Mgr., The Ohio Cities Water Co., 102 E. Perry St., Tiffin, Ohio (Apr. '46) *M*

Donaldson, Wellington, Chief, Bureau of Sewage Disposal Design, Dept. of Public Works, 125 Worth St., New York 13, N.Y. (Apr. '10) *P*

Donnan, William C., Div. Supt., Bureau of Water, 412 City-County Bldg., Pittsburgh 19, Pa. (Apr. '30) *M*

Donnelly, Henry J., *see* Bellingham Water Dept.

Donovan, Frederick H., Supt., International Water Co., Apdo. 630, Quito, Ecuador (Oct. '47) *MPR*

Dooley, H. A., Supt., Water Works, Altavista, Va. (Oct. '44)

Doren, Lewis S., 1505 N. 8th St., Pekin, Ill. (Jan. '43) *M*

Dorfner, Arthur A., *see* Plumb, D. S., Co., Inc.

Dorion, Otto Roberto, *see* Guatemala City, Cia. del Agua del Mariscal, S.A.

Dorion, Robert, City Mgr., City Hall, Shawinigan Falls, Que. (Jan. '36)

Dorr Co., The, Water Treatment Div., 570 Lexington Ave., New York 22, N.Y. (Assoc. M. June '27)

Dorrance, Frank Y., Engr. in Charge of Aqueduct Sec., Public Works Dept., Eng. Div., 3161 Joseph St., Verdun, Que. (July '20) *MP*

Dose, Herman W., 2709 N.W. 38th St., Oklahoma City, Okla. (Apr. '44) *M*

Dotterweich, A. J., Dist. Sales Engr., The Permutit Co., 524 Federal St., Pittsburgh 12, Pa. (July '38) *P*

Douat, A. H., Chief Engr., City Water Plant, Lee St., Vicksburg, Miss. (Jan. '45) *MP*

Dougherty, Ben R., Supt., Water & Gas Works, Richmond, Ky. (Apr. '24)

Dougherty, Burton W., Dist. Mgr., Pittsburgh Pipe Cleaner Co., 601 Mercantile Library Bldg., Cincinnati 2, Ohio (Apr. '47)

Dougherty, John J., *see* Albert Pipe Supply Co., Inc.

Douglass, John B., Engr., Div. Eng. Dept., West Virginia Water Service Co., 814 Peoples Bldg., Charleston 5, W.Va. (Jan. '47) *M*

Dousette, J. W., *see* Iowa Valve Co.

Dover Water Comrs., Earl C. Nelson, Clerk, 6 Municipal Bldg., Dover, N.J. (Corp. M. May '18) *MP*

Dow Chemical Co., *see also* Great Western Div.

Dow Chemical Co., The, Texas Div., John Eben, Librarian, Freeport, Tex. (Corp. M. Jan. '45)

Dow, Douglas, Pres. & Gen. Mgr., The Detroit Testing Lab., 554 Bagley Ave., Detroit 26, Mich. (July '38) *M*

Dowd, Frank V., Superintending Engr., Water Works & Sewerage Div., City Hall, Montreal, Que. (Apr. '47)

Dowdell, P. H., Mgr., White Deer Mountain Water Co., 114 S. Front St., Milton, Pa. (Jan. '41) *M*

Dowe, Ray M., Constr. Engr., Water Div., Dist. of Columbia Govt., 14th & E Sts., N.W., Washington 4, D.C. (Jan. '45) *MR*

Dowlin, M. R., Sr. Officer, Bureau of Prisons, Box 250, Steilacoom, Wash. (Jan. '44) *P*

Down, Howard M., *see* Vineland Water Dept.

Downer, John M., Sr. Bacteriologist, Board of Water Supply, Lisbon St., Honolulu, Hawaii (Apr. '47)

Downer, William J., Asst. Chief San. Engr., Div. of San. Eng., State Dept. of Public Health, Springfield, Ill. (Jan. '36) *P*

Downs, Joe, *see* A. D. Cook, Inc.

Dowsley, R. R., Supt., Public Utilities Com., Prescott, Ont. (Apr. '41)

Doyle, Victor H., Dist. Mgr., Pacific States Cast Iron Pipe Co., 531 Russ Bldg., San Francisco 4, Calif. (Oct. '39)

Doyle, William H., Dist. San. Engr., State Board of Health, Box 270, Wisconsin Rapids, Wis. (Apr. '42) *MPR*

Drager, W. C., City Mgr., Box 145, Williamsburg, Va. (July '47)

Drake, Alan D., 207 Lancaster Ave., Buffalo 9, N.Y. (Jan. '34) *M*

Drake, Chester F., Supt., Filtration Div., Bureau of Water, 226 Delafield Ave., Pittsburgh 15, Pa. (Apr. '10) *Fuller Award '41. MP*

Drake, D. J., *see* Crete, City of

Drake, William O., Cons. Engr., 35 E. 4th St., Corning, N.Y. (Apr. '17)

Draper, William L., Salesman, Mueller Co., Box 1422, Birmingham, Ala. (July '47)

Draves, Harry J., Supt., Dept. of Water Works, 532 Franklin St., Michigan City, Ind. (Jan. '38) *MP*

Dreher, C., *see* Brookfield, Village of

Drescher, William J., Hydr. Engr., U.S. Geological Survey, Univ. of Wisconsin, Science Hall, Madison 6, Wis. (July '48)

Dresden, Town of, E. J. Kyle, Town Clerk, Dresden, Ont. (Corp. M. July '41)

Dresser Mfg. Div., Dresser Industries, Inc., Hector P. Boncher, Gen. Mgr., 41 Fisher Ave., Bradford, Pa. (Assoc. M. June '04)

Drewry, E. M., Supt., Munic. Water Plant, Whitewater, Wis. (Apr. '41)

Dreyer, John W., Borough Engr., New York City Dept. of Water Supply, Gas & Elec., 602 Bergen Bldg., Tremont & Arthur Aves., Bronx, N.Y. (July '45) *M*

Driftmier, Mark E., Supt., Munic. Water Works, 314 N. 4th St., Burlington, Iowa (July '37) *MP*

Driscoll, Dan, Supt., Water Dept., Water Works, Litchfield, Ill. (Apr. '47) *MP*

Driscoll, Florence E., Water Registrar & Secy., Water Works, 14 Court St., Haverhill, Mass. (July '37) *M*

Driskell, Thomas E., Service Engr., Ohio Salt Co., Wadsworth, Ohio (Apr. '42) *P*

Drost, William P., Water & Street Supt., Box 431, Bend, Ore. (July '35) *MR*

Druley, M. E., Asst. Dist. Mgr., Dayton Power & Light Co., Wilmington, Ohio (Jan. '43) *MP*

Drumm, Donald L., Engr., National Board of Fire Underwriters, 85 John St., New York 7, N.Y. (Apr. '47)

Dubeau, Archie L., Development Chemist, Mathieson Chemical Corp., 6 David St., Rumford 16, R.I. (Apr. '48)

Du Bois Bureau of Water, M. E. Milliren, City Engr., City Hall, Du Bois, Pa. (Corp. M. Oct. '39)

Du Bois, Francis W., Pres., Du Bois-Webb Co., 2832 E. Grand Blvd., Detroit 11, Mich. (Jan. '38)

DuBord, J. Archie, Supt., Water & Light Depts., Republic Township, Box 368, Republic, Mich. (July '46)

Duckett, Roy, Supt., Water Dept., Sweetwater, Tex. (Oct. '39) *M*

Duckworth, Leon S., Supt. of Filtration, Bureau of Water, R.D. No. 5, Lancaster, Pa. (Jan. '37)*MP*

Dudley, H. M., Repr., c/o Utilities Supply Co., 1736 E. 15th St., Los Angeles 21, Calif. (Sept. '29) *R*

Dudley, Nolan L., Supt. of Filtration, Water Works, Columbus, Ga. (Apr. '43) *P*

Duff, Robert A., *see* Medford Water Com.

Duff, William, Supt. of Filtration, Box 178, Malartic, Que. (July '42) *MPR*

Duffy, William B., Supt., Public Works, North Andover, Mass. (July '35) *MR*

Dufresne, Paul Edmond, Civ. Engr. & Land Surveyor, Chief City Engr., Trois-Rivieres, Que. (July '38)

Dugan, F. C., *see* Kentucky State Dept. of Health

Dugger, Eugene F., Gen. Mgr., Water Works Com., Newport News, Va. (May '24) *Director '34–'37, '38–'39. President '38. Fuller Award '43. MP*

Duhernal Water System, Gordon L. E. Linn, Mgr., Parlin, N.J. (Corp. M. Jan. '48) *R*

Duhme, R. E., 5911 Red Bank Rd., Cincinnati 27, Ohio (Oct. '38) *M*

Duis, E. J., Supt., Water System, Oswego, Ore. (Apr. '41)

Duke, L., Mgr., Clearwater-Hynes County Water Dist., 16430 S. Paramount, Hynes, Calif. (Oct. '40) *M*

Duke, M. B., *see* Western Water Works Supply Co.

DuLac, William D., Dist. Mgr., Pittsburgh Pipe Cleaner Co., 544 New Center Bldg., Detroit, Mich. (July '46)

Dummer, Otto W., Supt. of Meters & Services, Water Works, 109 City Hall, Milwaukee 2, Wis. (Jan. '42)

Dumont, Romuald, Secy.-Treas. & Director of Services, Waterworks Dept., Coaticook, Que. (Apr. '47)

Dumser, John M., *see* Chase Brass & Copper Co., Inc.

Dunbar, T. J., Jr., Civ. Engr., Box 427, Angleton, Tex. (Jan. '46)

Duncan, D. L., Engr., California State R.R. Com., 368 State Bldg., San Franciso, Calif. (Aug. '30)

Duncan, James G., Asst. Chem. Engr., Ontario Dept. of Health, 807 Richmond St., W., Toronto 3, Ont. (Jan. '43) *P*

Duncan, Malcolm, Vice-Pres., Gilbert Assoc., Inc., 412 Washington St., Reading, Pa. (July '41)

Duncan, Malcolm E., Sales Engr., Johns-Manville Sales Corp., Box 2239, Tulsa, Okla. (Jan. '44) *M*

Angeles 12, Calif. (Oct. '46)

Dundas, N. F., 417 N. Main St., Los

Dundas Public Utilities Com., H. C. Robinson, Secy.-Treas., Dundas, Ont. (Corp. M. Apr. '44)

Dunham, F. E., Engr., c/o Grinnell Co., Inc., 1430 W. Morehead St., Charlotte 1, N.C. (Apr. '30) *MPR*

Dunham, Henry G., Box 382, Wareham, Mass. (June '25) *P*

Dunham, Stanley, Gen. Constr. Supt., Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Oct. '34)

Dunkirk Board of Water Comrs., A. G. Walter, Supt., City Hall, Dunkirk, N.Y. (Corp. M. Apr. '37) *MP*

Dunlap, David, Regulatory Consultant, 2808 Merion Rd., Camp Hill, Pa. (Oct. '45)

Dunlap, Lilburn, Sr., Supt., Water Dept., Christiansburg, Va. (July '45) *M*

Dunmire, E. H., Cons. Engr., 2774 South St., Lincoln, Neb. (Apr. '40)

Dunn, R. Cameron, Township Engr., 105 King St., London, Ont. (Jan. '48)

Dunn, Stephen M., Chief Mech. Engr., Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Sept. '31) *MR*

Dunn, William Carey, Supt., Mt. Hope Filter Plant, Box 467, Margarita, Canal Zone (Apr. '19)

Dunnville Public Utilities Com., H. E. Foster, Mgr., Dunnville, Ont. (Corp. M. Jan. '35)

Dunphy, W. W., Water Supt., Box 65, Clyde, Kan. (Oct. '47) *MPR*

Dunstan, Gilbert Hall, Assoc. Prof. of San. Eng., Univ. of Alabama, Box 1996, University, Ala. (July '31) *PR*

Dunstan, James, City Engr., City Engr.'s Office, City Hall, Wenatchee, Wash. (Apr. '38) *M*

Durant, Clifton Howard, Supervisor of Records, Bureau of Water Works & Supply, 410 Ducommun St., Los Angeles 12, Calif. (Oct. '43) *M*

Durbrow, Robert T., Exec. Secy., Irrigation Dists. Assn. of California, 932 Pacific Bldg., San Francisco 3, Calif. (Jan. '48) *R*

Durham Water & Sewer Dept., D. McGregor Williams, Director, City Hall, Durham, N.C. (Corp. M. July '34) *Director '46–'49. MR*

Durner, Fred J., Distributor of Water Works Chemicals, Fred J. Durner Co., Liberty Ave. & Blvd. of Allies, Pittsburgh 22, Pa. (Oct. '39) *P*

Durr, John P., Asst. Engr., State Dept. of Health, Bureau of San. Eng., 609 Trust Bldg., Meadville, Pa. (Jan. '46) *P*

Durrance, Dallas H., Supt., Light, Water & Gas, Utilities Com., 103 S. Pine St., Sebring, Fla. (Jan. '44) *MP*

Durward, D. N., *see* Galt Public Utilities Com.

Dutton, Marshall S., Supt. of Water, Municipal Bldg., Oak Park, Ill. (Apr. '37) *M*

Duvall, Arndt J., Munic. Engr., Toltz, King & Day, Inc., Engrs. & Architects, 1509 Pioneer Bldg., St. Paul 1, Minn. (Apr. '41) *P*

Duvauchelle, Henry N., Supt., Service & Meter Div., Board of Water Supply, Box 3410, Honolulu 1, Hawaii (Jan. '47) *M*

Duy, Carl, 625 Lebanon St., Aurora, Ill. (Oct. '41) *M*

Dwelle, Ralph H., Supt., Water Filtration Plant, 209—4th Ave., S.W., Jamestown, N.D. (Jan. '46)

Dworsky, Leonard B., Sr. Asst. San. Engr., U.S. Public Health Service, 4th & C Sts., S.W., Washington, D.C. (Jan. '46) *R*

Dwyer, John D., Chairman, Water & Sewer Board, 110 S. Border Rd., Medford, Mass. (May '22)

Dwyer, John James, Chief Chemist, Chesapeake & Ohio Ry. Co., 932—9th Ave., Huntington 1, W.Va. (Jan. '41) *MP*

Dwyer, Thomas E., *see* Lead Lined Iron Pipe Co.

Dye, C. K., 372 Arden Rd., Columbus 2, Ohio (Apr. '42)

Dye, John F., Chief Operator, Water Conditioning Plant, Board of Water & Elec. Light Comrs., Lansing 3, Mich. (July '43) *MP*

Dye, Robert D., Civ. Eng. Assoc., Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Jan. '48) *P*

Dyer, Garvin H., Mgr., Independence Div., Missouri Water Co., 123 W. Kansas St., Independence, Mo. (Apr. '47) *M*

Eagle-Picher Sales Co., The, 420 Lexington Ave., New York 17, N.Y. (Assoc. M. Jan. '46)

Eakin, R. O., Mgr., Water Works, Lodi, Ohio (July '44)

Earhart, Fred A., Comr. of Public Utilities, City Hall, New Orleans 12, La. (July '37) *MP*

Earl, Thomas C., Supt. of Water Works & Secy. of Indus. & Domestic Water Com., City Hall, Savannah, Ga. (Jan. '47) *MP*

Earls, Clifford Elliott, Supt. & Chemist, Water Softening & Purif. Plant, St. Augustine, Fla. (Oct. '43) *P*

Early, Mart W., Supt. of Water & Sewage, Water Dept., Moscow, Idaho (Apr. '40) *M*

Earnhardt, Kenneth B., Asst. Mgr., Citizens Water Co., 62 E. Wheeling St., Washington, Pa. (Apr. '47) *MP*

Earp, Fred B., 2206 Pershing St., Durham, N.C. (Jan. '41)

East Aurora, Village of, Lawrence S. Freeman, Village Engr., Main St., East Aurora, N.Y. (Corp. M. Apr. '37)

East Bay Munic. Utility Dist., John S. Longwell, Chief Engr. & Gen. Mgr., 512—16th St., Box 720, Oakland 4, Calif. (Corp. M. Sept. '29)

East Chicago Dept. of Water Works, Albert G. Vinick, Supt., 4733 Olcott Ave., East Chicago, Ind. (Corp. M. Jan. '36) *MP*

East Coast Water Co., Garland S. Sydnor, Pres., 1305 Brook Rd., Richmond 20, Va. (Corp. M. Oct. '41) *MPR*

East Helena, City of, Water Dept., A. H. Carlson, Clerk, East Helena, Mont. (Corp. M. Apr. '38)

East Moline Water Works Dept., Karl J. Noden, Supt., 1303—9th St., East Moline, Ill. (Corp. M. Oct. '41)

East Orange Board of Water Comrs., Water Dept., Roswell M. Roper, Secy., East Orange, N.J. (Corp. M. Aug. '09) *MR*

East York, Township of, J. D. Corcoran, Comr. of Works, 443 Sammon Ave., Toronto, Ont. (Corp. M. Jan. '35) *MP*

Easterday, E. E., Chief Engr., Design & Constr., St. Louis Water Div., 1640 S. Kingshighway, St. Louis 10, Mo. (May '26)

Easterwood, Elmer G., Asst. Supt. Water Dept., 620 Jackson St., Maumee, Ohio (Jan. '46)

Easthagen, J. H., Research Engr., California Research Corp., Richmond, Calif. (Jan. '47)

Easton, Thomas Grant, Chief Engr., Consumers Water Co., 119 Giralda Ave., Coral Gables, Fla. (July '47) *M*

Eastwood, C. W., *see* London Public Utilities Com.

Eaton, Thomas James, Supt., Water Dept., Public Service Co. of New Mexico, Santa Fe Div., 201 Don Gasper Ave., Santa Fe, N.M. (July '35) *MPR*

Ebasco Services, Inc., Alexander C. Clogher, Cons. Engr., Civ. & Hydr., 2 Rector St., New York, N.Y. (Corp. M. Mar. '29) *MPR*

Ebaugh, Robert M., Asst. Engr., Southern California Water Co., 418 N. Pine St., San Gabriel, Calif. (Jan. '40)

Eben, John, *see* Dow Chemical Co.

Eberling, Carl A., Supt., Water Works, 242 City Hall, Cincinnati 2, Ohio (June '34) *M*

Ebert, Arvine G., Route 10, Box 241A, Jacksonville, Fla. (Oct. '41) *MP*

Ebert, Raymond E., Water Works Chemist, Dept. of Public Works, City Hall, Winston-Salem, N.C. (Dec. '33) *MP*

Ebright, H. L., Dist. Mgr., Robert W. Hunt Co., 6353 Miles Ave., Huntington Park, Calif. (July '41) *MP*

Ebright, LeRoy, *see* Westbury Water Dist.

Ebsary, W. F., Chief Chemist, City Water Dept., Tampa, Fla. (Oct. '45) *P*

Eby, Arthur M., *see* Belvidere Water Dept.

Eby, Roger I., Engr., National Board of Fire Underwriters, 1014 Merchants Exchange Bldg., 465 California St., San Francisco 4, Calif. (Oct. '46) *MR*

Echaide, Ladislao, Gen. Mgr., Industrias Espanolas S.A., San Sebastian, Spain (Jan. '47)

Eck, Girard C., Chief Chemist, Rayonier, Inc., Shelton, Wash. (Jan. '39)

Eckart, Nelson A., Gen. Mgr. & Chief Engr., Water Dept., 425 Mason St., San Francisco 1, Calif. (Mar. '30) *Director '36–'39. M*

Eckenfelder, W. Wesley, Jr., Research Graduate, San. Eng., Box 3272, North Carolina State College, Raleigh, N.C. (Jan. '47)

Eckert, Alfred, Mgr., Board of Water Comrs., Saginaw-Midland Water Supply, 3 Jefferson Court, Saginaw, Mich. (Jan. '29) *MP*

Eckert, Otto E., *see* Lansing Board of Water & Elec. Light Comrs.

Eckland, Henry, Asst. Supt., City Water Dept., 1548 Warren Ave., Bremerton, Wash. (Apr. '43) *M*

Ecorse, City of, Leland R. Gare, City Engr., City Hall, Ecorse 18, Mich. (Corp. M. July '42)

Ecusta Paper Corp., Power & Water Dept., Herbert F. Finck, Box 200, Pisgah Forest, N.C. (Corp. M. Jan. '40) *MPR*

Eddins, Earl Wesley, Gen. Foreman, Utilities Dept., General Tire & Rubber Co., Baytown, Tex. (Oct. '47) *P*

Eddy, Harrison P., Jr., Partner, Metcalf & Eddy, 1300 Statler Bldg., Boston 16, Mass. (Apr. '30) *MPR*

Eddy, Justus B., Engr. of Water Pipe Extension, Bureau of Eng., 404 City Hall, Chicago, Ill. (June '26)

Eddy Valve Co., George P. O'Day, Vice-Pres., Waterford, N.Y. (Assoc. M. June '86)

Edelman, Barney, Water Pumping Service, R.F.D. No. 2, Box 100, Putnam Valley, N.Y. (Apr. '47)

Ediger, Olin O., Cons. Engr., The Ediger Eng. Co., 142 Administration Bldg., Municipal Airport, Wichita, Kan. (Jan. '47) *PR*

Edinburg, City of, B. H. Cruce, City Mgr., Edinburg, Tex. (Corp. M. Oct. '45)

Edinger, Harry F., *see* Ulster County Dept. of Health

Edling, John O., Supt., Schuylkill Haven Boro Utilities, Gas, Water & Elec., Schuylkill Haven, Pa. (Jan. '42) *M*

Edmonds, W. R., Supervising Engr., Dept. of National Health & Welfare, Ottawa, Ont. (July '43)

Edmonton, City of, W. R. Mount, Engr. & Supt., Water Works Distr. System, Edmonton, Alta. (Corp. M. July '40) *MP*

Edmundson, E. B., Jr., Utilities Engr., Goodyear Synthetic Rubber Corp., Box 104, La Porte, Tex. (Jan. '46)

Edwards, A. B., Chief Operator, Water Works, Burlington, Ont. (Jan. '37) *MP*

Edwards, Dwight W., Pres., Iowa Water Service Co., 224 E. College St., Iowa City, Iowa (Jan. '42)

Edwards, E. T., Supt. of Filtration, Water Works, 1718 N. 2nd St., Ironton, Ohio (Jan. '44) *P*

Edwards, G. H., Civ. Engr., 516 W. Smith St., Seattle 99, Wash. (July '44) *P*

Edwards, Howard L., Service Engr., R. W. Sparling, 945 N. Main St., Los Angeles 54, Calif. (Apr. '44) *P*

Edwards, John C., Chemist, Huntington Water Corp., 720—4th Ave., Huntington, W.Va. (Apr. '39) *Fuller Award '47. P*

Edwards, Richard F., 3455 Valemont Ave., San Diego, Calif. (July '43)

Edwards, Robert V., Vice-Pres., American Pipe & Construction Co., Box 3428 Terminal Annex, Los Angeles 54, Calif. (Oct. '39)

Edwards, S. Everett, Sr. Asst. Supt., Bureau of Water Supply, Montebello Filters, Hillen Rd., Baltimore 12, Md. (July '42) *P*

Edwards, Stacy W., 1338 Michigan, Dallas 16, Tex. (Jan. '46)

Edwards, William J., Comr., Water & Light, 225 Columbia St., Cumberland, Md. (Apr. '44) *P*

Edwards, William R., Vice-Pres., New York Water Service Corp., 90 Broad St., New York 4, N.Y. (Apr. '14)

Eernisse, J. Guy, Electro-Mech. Engr., Water Div., Dept. of Public Utilities, 402 City Hall, Tacoma 2, Wash. (Apr. '39) *MPR*

Effa, John, Engr., 1319 Foster Ave., Chicago 40, Ill. (Oct. '46)

Egan, Frank J., Vice-Pres., James B. Clow & Sons, Box 6600A, Chicago 80, Ill. (Apr. '44)

Egan, James F., Jr. Engr., Supply Div., Water Works, 2545 Eastern Ave., Cincinnati 2, Ohio (Jan. '46) *M*

Egan, Joseph H., Sales Promotion, Crane Co., 321 E. 3rd St., Los Angeles 13, Calif. (Oct. '31) *M*

Egbert, Donald C., City Mgr., Water Dept., Birmingham, Mich. (Jan. '38) *MR*

Egebrecht, Ray F., Mgr., Valve Div., The Filer & Stowell Co., 147 E. Becher St., Milwaukee 7, Wis. (July '43)

Eggleston, H. R., Supervisor of Treatments, Water Treatment Plant, Marietta, Ohio (Jan. '39) *P*

Eglof, Warren K., Head, Dept. of Chemistry, Niagara Univ., Niagara University, N.Y. (Apr. '46) *P*

Ehlers, Henry A., Supt., Water Works & Sewage, City Hall, Antigo, Wis. (July '44) *MPR*

Ehlers, V. M., Chief San. Engr., State Dept. of Health, 510 E. 5th St., Austin 2, Tex. (Oct. '27) *Fuller Award '41. P*

Ehmann, William, *see* Corfu, Village of

Eich, Henry F., Public Health Engr., Director, Div. of Housing & Sanitation, Bureau of Sanitation, Health Dept., 116 Temple St., Los Angeles, Calif. (Apr. '43) *P*

Eichinger, E. C., Chemist, Oshkosh Filter & Softener Co., Box 137, Oshkosh, Wis. (July '37) *P*

Eide, Palmer L., Foreman, Meter Dept., City Water Dept., 1308 S. 5th St., Fargo, N.D. (Apr. '47) *M*

Eidsness, Fred A., Dist. Mgr., Infilco, Inc., Box 485, Decatur, Ga. (May '41) *Fuller Award '44. P*

Eiffert, William T., Ralph L. Woolpert Co., Cons. Engrs., 360 W. 1st St., Dayton, Ohio (Oct. '45) *MPR*

Eikey, Tony, Supt. of Public Works, Water Dept., 1017 Cass St., Traverse City, Mich. (July '40)

Eisenhauer, W. K., Operator, Water Dept., 410 W. Ohio St., Vermilion, Ohio (July '46)

Eitel, Frederick H., Asst. Supt., Div. of Water, 300 Montclair Ave., Newark 4, N.J. (Apr. '48)

Ekstrom, C. G., *see* Arizona Edison Co., Inc.

El Campo Water Dept., James F. Hudson, Director of Public Works, El Campo, Tex. (Corp. M. Oct. '46) *M*

Eld, E. F., Mgr., Old Dominion Water Corp., 224 Main St., Hopewell, Va. (Oct. '44) *M*

Elder, Clayburn C., Hydrographic Engr., Metropolitan Water Dist. of Southern California, 306 W. 3rd St., Los Angeles 13, Calif. (Aug. '31) *R*

Elder, Francis B., Eng. Assoc., American Public Health Assn., 1790 Broadway, New York 19, N.Y. (July '46) *R*

Elder, Frank X., Deputy Chief Engr., New York City Dept. of Water Supply, Gas & Elec., 2455 Municipal Bldg., New York 7, N.Y. (Jan. '47) *M*

Elder, G. R., *see* Radford, City of

Eldridge, Edward F., Research Prof. Eng. Expt. Station, Michigan State College, East Lansing, Mich. (Oct. '46) *P*

Eldridge, L. C., Engr. & Supt., Baton Rouge Water Works Co., 131 Lafayette St., Baton Rouge, La. (July '42) *MPR*

Electric Chemical Co., C. V. Baker, 2317 Rosewood Ave., Toledo, Ohio (Assoc. M. July '36)

Electric Fish Screen Co., Henry T. Burkey, Pres., 1130 N. Poinsettia Pl., Hollywood 46, Calif. (Assoc. M. Oct. '44)

Electro Rust-Proofing Corp. (N.J.), Robert T. Browning, Mgr., 1 Main St., Belleville 9, N.J. (Assoc. M. Apr. '39)

Elford, John P., Salesman, Ohio Salt Co., 213 S. Dunn St., Bloomington, Ind. (Apr. '41) *P*

Elias, George A., Dist. Engr., Bureau of San. Eng., State Dept. of Health, 412 City Centre Bldg., 121 N. Broad St., Philadelphia, Pa. (Jan. '44)

Eliassen, Rolf, Prof. of San. Eng., College of Eng., New York Univ., University Heights, New York 53, N.Y. (Jan. '35) *P*

Elkhorn Light & Water Com., Basil Miller, Supt., Elkhorn, Wis. (Corp. M. Oct. '35) *MP*

Ell, Arthur F., Gen. Mgr. & Auditor, Interstate Water Co., 141 N. Vernuhon St., Danville, Ill. (July '41)

Ell, Henry T., San. Engr., 252 Ellery Ave., Newark, N.J. (Oct. '43)

Ellenberger, A. Richard, Mgr., Bradford Labs., Inc., 137 Main St., Bradford, Pa. (Oct. '43) *P*

Ellerbusch, R. P., 1032 Vaughn St., Ann Arbor, Mich. (Oct. '38) *MP*

Ellerker, Stanley, *see* Forest Public Utilities Com.

Ellington, F. R., Supt., Water Works, Water Works Office, Princeton, Ind. (Jan. '43)

Elliot, R. A., Supt., Water & Streets, City Hall, Wapakoneta, Ohio (July '48)

Elliott, Joseph E., Sr. Operating Engr., Richmond General Depot, Richmond 12, Va. (Jan. '46) *P*

Ellis, Cedric M., Vice-Pres., Jos. W. Eshelman & Co., Inc., 2625—6th Ave., S., Birmingham 5, Ala. (July '47) *P*

Ellis, Calvin F., Supt., Water & Sewer Dept., Town Hall, Moorestown, N.J. (Jan. '44) *MP*

Ellis, F. K., Supt., Public Works Dept., Box 128, Sumter, S.C. (Apr. '39) *Fuller Award '44.*

Ellis & Ford Mfg. Co., William A. Hendrickson, Gen. Mgr., 2423 Goodrich Ave., Ferndale 20, Mich. (Assoc. M. Apr. '48)

Ellis, George R., Canandaigua, N.Y. (July '07)

Ellis, Norman T., City Chemist, 21 S. 4th St., Grand Haven, Mich. (Oct. '40) *MP*

Ellis, Rae R., *see* Howard Supply Co.

Ellis, Richard H., Hydr. Engr., Inspection Dept., Associated Factory Mutual Fire Insurance Cos., 184 High St., Boston 10, Mass. (Apr. '38) *MR*

Ellis, Roy O., Mgr., Munic. Water Plant, Oskaloosa, Iowa (Oct. '42) *MP*

Ellms, Joseph W., Comr. of Sewage Disposal, Dept. of Public Utilities, 103 City Hall, Cleveland 14, Ohio (Oct. '19) *Trustee '23–'25. P*

Ells, J. C., Adams & Ells, Cons. Engrs., 306 S. Peck Rd., El Monte, Calif. (Oct. '43) *M*

Ellsworth, Hal T., *see* Laredo Water Works System

Ellsworth, Harry, Supt., Water & Light Dept., Meadville, Pa. (July '07) *M*

Ellsworth, Robert Bruce, Tech. Supervisor, Indus. Sales Div., Wm. Lynn Chemical Co., Inc., 125 N. Davidson St., Indianapolis 2, Ind. (Oct. '47)

Elmen, George W., *see* Sioux Falls Water Dept.

Elmira Public Utilities Com., C. C. Rachar, Mgr., Water Works Dept., Box 88, Elmira, Ont. (Corp. M. July '47)

Elmira Water Board, John G. Copley, Gen. Mgr., 408–12 E. Market St., Elmira, N.Y. (Corp. M. Mar. '15) *Fuller Award '47. MP*

Elmore, N. M., *see* Creole Petroleum Corp.

El Paso City-County Health Dept., L. T. Cox, Director, 209 S. Campbell St., El Paso, Tex. (Corp. M. Jan. '45) *P*

El Paso Dept. of Water & Sewerage, Elwood J. Umbenhauer, Supt., 419 N. Stanton St., Box 511, El Paso, Tex. (Corp. M. Jan. '39) *MR*

Elsener, L. A., Dist. Sales Mgr., Chicago Bridge & Iron Co., 22 Battery St., San Francisco 11, Calif. (Apr. '44)

Elsman, Ralph, *see* San Jose Water Works

Elting, Oscar R., Assoc. Engr., Bureau of Water & Sewerage, 403 Municipal Bldg., Akron 8, Ohio (Feb. '30) *MR*

Elwood Water Works & Sewage Plant, Clifton W. Berry, Supt., Elwood, Ind. (Corp. M. Apr. '44)

Ely, Van Horn, Jr., *see* Philadelphia Suburban Water Co.

Embree, Lon J., Supt., Munic. Water System, 605 N. Vine St., Magnolia, Ark. (Jan. '43)

Emerick, C. M., Supervisor of Distr., Water Works, 1220 W. 21st St., Lorain, Ohio (Oct. '47) *M*

Emerson, Charles A., Cons. Engr., Havens & Emerson, 233 Broadway, New York 7, N.Y. (May '08) *P*

Emmanuelli, Francois, Pres.-Gen. Mgr., Société Nationale de Matériel pour la Recherche & l'Exploitation du Pétrole, 42, Rue La Boëtie, Paris VIII°, France (Oct. '47)

Emporia, City of, Walter F. Johnson, City Mgr., City Hall, Emporia, Kan. (Corp. M. Oct. '47) *M*

End, Charles F., Supt., Raritan Township Water Dept., Route No. 19, New Brunswick, N.J. (May '30) *M*

End, William F., Civ. Engr., 2 Georgian Court, Troy, N.Y. (Jan. '36)

Endicott Water Works Co., Earl J. Grippen, Supt., Sales Bldg., Endicott, N.Y. (Corp. M. Feb. '28) *M*

Endrud, Selmer, Supt., Water Dept., Mayville City, N.D. (Jan. '45)

Enes, Bernard E., Mgr., Enes Water Co., R.F.D. No. 1, Box 275, Pittsburg, Calif. (Oct. '43) *P*

Engel, P. N., Pres., Infilco, Inc., 325 W. 25th Pl., Chicago 16, Ill. (June '19) *P*

Enger, Melvin Lorenius, Dean of College of Eng. & Director of Eng. Expt. Station, Univ. of Illinois, Urbana, Ill. (Mar. '15) *Goodell Prize '40. R*

Engineering News-Record, Robert F. Boger, Publisher, 330 W. 42nd St., New York 18, N.Y. (Assoc. M. May '18)

Engle, James W., Chief, Utilities Branch, Eng. Div., Office, Chief of Engrs., Dept. of the Army, Washington 25, D.C. (Sept. '23) *PR*

English, James A., City Engr. & Supt., Water Dept., Salisbury, N.C. (Dec. '33) *MP*

Enloe, Arthur Louis, Engr., DeKalb County Water System, Decatur, Ga. (Oct. '47) *M*

Ennis, William S., Sales Engr., Wallace & Tiernan Co., Inc., Box 24, Jeffersontown, Ky. (Oct. '47)

Enright, J. Daniel, Asst. Supervisor of Water Purif., Water Works Dept., California Station, Cincinnati, Ohio (July '43)

Enslow, Linn H., Editor, *Water & Sewage Works,* 155 E. 44th St., New York 17, N.Y. (Aug. '18) *Diven Medal '35. Director '36–'42. Vice-Pres. '48. President '49. MPR*

Entrecanales, Jose, Prof., National School of Eng. of Spain, Juan de Mena 8, Madrid, Spain (Oct. '45)

Enz, Charles F., Supt., Water Works & Sewerage System, 915 State St., Lockport, Ill. (Oct. '41) *M*

Epstein, Frank, Deputy City Atty., 260 City Hall, Los Angeles 12, Calif. (July '46) *MR*

Erganian, George, San. Engr., State Board of Health, Div. of San. Eng., 1098 W. Michigan St., Indianapolis, Ind. (Apr. '46) *MP*

Erickson, Claud R., Mech. Engr., Board of Water & Elec. Light Comrs., Lansing 3, Mich. (Jan. '40) *MPR*

Erickson, D. L., City Engr. & Director of Dept. of Parks, Public Property & Improvements, Lincoln 8, Neb. (June '24) *Fuller Award '41. MR*

Erickson, E. T., Pres., Erickson Chemical Co., 619 N. Michigan Ave., Chicago 11, Ill. (Jan. '45) *P*

Erickson, Edward Eric, Engr., Alvord, Burdick & Howson, 20 N. Wacker Drive, Chicago 6, Ill. (Apr. '44) *MPR*

Erickson, Edwin T., Asst. Engr., Div. of Water, 18 Cliff Hill Pl., Newark 6, N.J. (Jan. '48)

Erickson, Frederick K., Asst. Prof. of Civ. Eng. & College San. Engr., Washington State College, Pullman, Wash. (Apr. '44) *PR*

Erickson, Harley G., Chief Engr., Central Mfg. Dist., Inc., 4814 Loma Vista Ave., Los Angeles 11, Calif. (Apr. '43)

Erie County Dept. of Health, M. J. Stankewich, Assoc. San. Engr., 605 City Hall, Buffalo, N.Y. (Mun. Sv. Sub. Jan. '48)

Erion, Daniel Ray, Jr., 605 High St., Milford, Ohio (Apr. '40) *P*

Erion, Ray, Supt. & Chemist, Water Works, 605 High St., Milford, Ohio (Apr. '39) *MP*

Erskine, Harlan M., Dist. Engr., U.S. Geological Survey, 408 Union Bldg., Charleston, W.Va. (Oct. '46) *R*

Ervin, Ralph E., Div. Mgr., Cuban Elec. Co., Apdo. 129, Matanzas, Cuba (Jan. '47) *PR*

Erwin, R. Blake, Cons. Engr., Box 71, 600 Erie Ave., Niagara Falls, Ont. (July '45)

Erwin, Raymond A., Elec. Engr., Los Angeles Dept. of Water & Power, 410 Ducommun St., Los Angeles 12, Calif. (Jan. '47) *M*

Escanaba Munic. Utilities, A. V. Aronson, City Mgr., City Hall, Escanaba, Mich. (Corp. M. Oct. '43)

Eschenfelder, Andrew F., *see* Glen Ridge Water Dept.

Eshelman, Joseph W., Pres., Jos. W. Eshelman & Co., Inc., 2625—6th Ave., S., Birmingham 5, Ala. (July '47) *PR*

Espinosa, Roberto, Civ. Engr., Carrera 11, No. 65–54, Bogota, Colombia (Jan. '46)

Estabrook, Joseph B., Pres., Hitchcock & Estabrook, Inc., 521 Sexton Bldg., Minneapolis 15, Minn. (Apr. '36) *P*

Esterley, H. W., *see* Blythe, Munic. Authority of Township of

Estill, George C., Member of Board, Dept. of Water & Sewers, Miami, Fla. (Jan. '48) *R*

Esty, Roger W., Supt., Water & Sewer Works, 17 Hobart St., Danvers, Mass. (Mar. '24) *Director '38–'41. M*

Etobicoke, Township of, Eng. Dept., F. McArthur, Township Engr., 4946 Dundas St., W., Islington-Toronto 18, Ont. (Corp. M. July '41) *PR*

Eugene Water Board, Walter J. Moore, Water Supt., 1116 Willamette St., Eugene, Ore. (Corp. M. Jan. '39) *Fuller Award '47. Director '47–'50. MPR*

Evans, Arthur F., Munic. Engr., Eng. Dept., Municipal Hall, Hollyburn P.O., West Vancouver, B.C. (July '48)

Evans, Charles A., Resident San. Engr., Tennessee Valley Authority, 408 Bank of Knoxville Bldg., Knoxville, Tenn. (July '48)

Evans, Charles H., Chicago Branch Sales Mgr., Rensselaer Valve Co., 53 W. Jackson Blvd., Chicago 4, Ill. (July '47)

Evans, Daniel W., Sr. San. Engr. (R), U.S. Public Health Service, Dist. No. 3, Chicago 7, Ill. (July '42) *P*

Evans, Edmund Boyce, Water Purif. Supervisor, Water Works, 5650 Kellogg Ave., Cincinnati 28, Ohio (Jan. '27) *MP*

Evans, Frank Morton, Borough Engr., 96 Rodney St., Glen Rock, N.J. (July '46) *R*

Evans, G. Taylor, Pres., Ohio Water Service Co., Struthers, Ohio (Apr. '28) *MP*

Evans, Paul J., Chemist, U.S. Coal & Coke Co., Gary, W.Va. (Apr. '48)

Evans, Ralph W., Supt., Water Works, Versailles, Ind. (Jan. '41)

Evans, Richard W., Mgr., Water Works, Uvalde, Tex. (Jan. '35) *MR*

Evans, Samuel A., Civ. Engr., Dept. of Water & Power, 207 S. Broadway, Los Angeles 12, Calif. (Oct. '34) *M*

Evans, W. F., Jr., *see* Wilmington Water & Sewerage Dept.

Evansville Water Works Dept., Board of Trustees, Alvin W. Walther, Secy., Evansville 9, Ind. (Corp. M. May '06)

Everett, Jasper W., Vice-Pres., Springfield City Water Co., M.O.B. 709, Springfield, Mo. (May '22) *M*

Everett, W. J., Apdo. 200, Camaguey, Cuba (Jan. '41)

Everett Water Dept., G. G. Paine, City Engr. & Water Supt., City Hall, Everett, Wash. (Corp. M. Jan. '35) *M*

Evers, Hubert J., *see* Merrill Water Utility

Everson, J. E., *see* Princeton Water Dept.

Everson Mfg. Corp., Roy B. Everson, Pres., 214 W. Huron St., Chicago 10, Ill. (Assoc. M. Jan. '37)

Everson, Roy B., *see* Everson Mfg. Corp.

Everts, Curtiss M., Jr., Chief San. Engr. & Director, Div. of Environmental Sanitation, State Board of Health, 1022 S.W. 11th Ave., Portland 5, Ore. (Jan. '46) *MP*

Every, Virgil F., Exec., Artesian Well & Equipment Co., Rochelle Park, N.J. (Jan. '42) *R*

Ewers, T. F., *see* Luray, Town of

Ewig, Everett W., Mng. Partner, W. S. Lozier Co., 10 Gibbs St., Rochester, N.Y. (Apr. '48)

Ewing, Benjamin Baugh, Instructor, Civ. Eng. Dept., Univ. of Texas, Box 1942, University Station, Austin, Tex. (Jr. M. Jan. '48) *P*

Ewing, Byron E., Supt., City Water Dept., Arroya Grande, Calif. (Oct. '41)

Ewry, Fred, Supt. of Water, Board of Public Affairs, Cedarville, Ohio (July '48)

Ey, L. F., Chief, Div. of Labs., State Dept. of Health, Ohio State Univ. Campus, Columbus 10, Ohio (July '47)

Eyer, Chet, City Engr., Water & Sewer Comr., Laurel, Mont. (Apr. '47) *P*

Eyer, Claude W., Supt., Water Dept., City Hall, Glendive, Mont. (Feb. '31) *Fuller Award '38. MP*

Eyer, Frank A., Pres., Selinsgrove Water Supply Co., 21 S. Market St., Selinsgrove, Pa. (Apr. '37)

Eyler, Edward R., Sales Engr., Pittsburgh Equitable Meter Div., 12 Mayflower Court, Baltimore 8, Md. (Jan. '45) *MP*

Eyton, Ben, Chief Chemist, Steep Rock Iron Mines, Steep Rock Lake, Ont. (Apr. '46)

Faber, Harry A., Research Chemist, The Chlorine Inst., Inc., 50 E. 41st St., New York 17, N.Y. (July '35) *P*

Fagen, R., *see* Dauphin, Town of

Fager, E. P., Asst. Vice-Pres., Dearborn Chemical Co., 310 S. Michigan Ave., Chicago 4, Ill. (Aug. '20) *P*

Fague, Hugh F., Supt. of Constr. & Maint., Bureau of Water Works, 1900 N. Interstate Ave., Portland 12, Ore. (May '33) *M*

Fair, Gordon Maskew, Dean of the Faculty of Eng., Harvard Graduate School of Eng., Pierce Hall, Cambridge 38, Mass (Jan. '25) *PR*

Fairbairn, John M., Vice-Pres., Chas. Warnock & Co., Ltd., 1001 McGill Bldg., 485 McGill St., Montreal 1, Que. (Apr. '34) *P*

Fairbanks, Morse & Co., L. A. Weom, Mgr., Pump Div., 600 S. Michigan Ave., Chicago 5, Ill. (Assoc. M. Mar. '25)

Fairhurst, William E., Director of Public Works, 102 Arlington Ave., Hawthorne, N.J. (July '43)

Fairview County Water Dist., J. S. Whyte, Secy., Box 186, Costa Mesa, Calif. (Corp. M. Jan. '47) *M*

Fales, Almon L., Cons. Engr., Metcalf & Eddy, Cons. Engrs., 1300 Statler Bldg., Boston 16, Mass. (Feb. '21) *P*

Falk, William E., Jr., Supt. of Distr. & Production, Indiana Gas & Water Co., Inc., 4th & Culbertson Ave., New Albany, Ind. (Jan. '47) *MP*

Fallbrook Public Utility Dist., George F. Yackey, Gen. Mgr., Box 427, Fallbrook, Calif. (Corp. M. July '46) *M*

Falls, O. M., *see* York, Township of

Fant, Clyde E., Comr. of Public Utilities, Shreveport, La. (Oct. '44)

Farabough, T. E., Supt., Water & Sewer Plant, Dumas, Ark. (Oct. '43)

Farbacher, John B., Water Supt., Shaler Township, R.D. No. 8, Box 152, Keystone St., Sharpsburg, Pittsburgh 15, Pa. (Jan. '41)

Fardahl, Nels, 804 N. Monroe, Little Rock, Ark. (Jan. '45) *MP*

Faris, James B., *see* Baldwin Park County Water Dist.

Farkas, Harry, c/o Plotkin, 2803 Ave. 4, Brooklyn 29, N.Y. (Oct. '46)

Farley, John L., Jr., Asst. Gen. Mgr., Long Island Water Corp., 733 Sunrise Highway, Lynbrook, N.Y. (Jan. '39) *M*

Farmer, Charles C., Secy. & Treas., Beckley Water Co., Box 750, Beckley, W.Va. (July '40) *M*

Farmer, Ed, Black & Veatch, 5836 Oak St., Kansas City 2, Mo. (Apr. '44)

Farnan Brass Works Co., The, Louis P. Smith, Pres., Box 6147, Cleveland 1, Ohio (Assoc. M. May '92)

Farnsworth, George L., Jr., Engr., J. J. Woltmann, Cons. Engr., 314 Unity Bldg., Bloomington, Ill. (Jan. '42) *PR*

Farnsworth, K. A., Operator, Water Works, R.F.D. No. 3, Wellington, Ohio (Oct. '47)

Farquharson, Alex L., Gen. Mgr., Public Utilities, Brockville, Ont. (Mar. '24) *M*

Farr, Fred, Jr., San. Engr., Alfred LeFeber, Cons. Engrs., 713 Temple Bar Bldg., Cincinnati 2, Ohio (Oct. '41) *PR*

Farr, Leo Grant, Jr., Student, Civ. Eng., Oregon State College, Box 55, Clackamas, Ore. (Jr. M. Apr. '48)

Farrell, J. W. D., *see* Regina Water Works Dept.

Farrell, L. S., Sales-Water Dept., Bowser, Inc., 2843 W. 7th St., Los Angeles, Calif. (Jan. '47)

Farrell, R. P., Director, Div. of San. Eng., Tennessee Dept. of Public Health, 420—6th Ave., N., Nashville 3, Tenn. (Apr. '39) *Fuller Award '42. Director '43–'44. MPR*

Farrell, William F., Dist. Mgr. Wallace & Tiernan Co., Inc., 1740 Military Rd., Buffalo 5, N.Y. (Oct. '44)

Farrington, Floyd G., Service Engr., Infilco, Inc., 325 W. 25th Pl., Chicago 16, Ill. (July '48)

Farrington, Philip King, Asst. Pacific Coast Sales Mgr., U.S. Pipe & Foundry Co., 907 Monadnock Bldg., San Francisco, Calif. (Jan. '41)

Farver, Roy, Supt. & Clerk, Board of Public Affairs, West Milton, Ohio (Apr. '40) *MP*

Fassel, A. F., Asst. San. Engr., Ontario Dept. of Health, 807 Richmond St., W., Toronto, Ont. (Apr. '48)

Fassnacht, George G., Chief, Water Supply Sec., Div. of San. Eng., State Board of Health, 1098 W. Michigan St., Indianapolis 7, Ind. (Jan. '40) *MP*

Faulks, J. Harris, Sales Repr., Neptune Meter Co., 20 Bailey Rd., Maplewood, N.J. (Oct. '35)

Faulks, Theo. D., 282 Roseville Ave., Newark, N.J. (Apr. '37)

Faust, Raymond J., Chief, Div. of Water Supply, Bureau of Eng., State Dept. of Health, Lansing 4, Mich. (Jan. '38) *Fuller Award '46. MPR*

Faw, Claude T., Dist. Mgr., Armco Drainage & Metal Products, Inc., Calco Div., Berkeley, Calif. (Nov. '29) *MR*

Fawcett, Luther T., Secy. & Chief Engr., Mahoning Valley San. Dist., Box 298, Youngstown 1, Ohio (July '39) *Director '48–'51. MR*

Fawkes, A. W. Ellson, City Engr., City of Moose Jaw, Moose Jaw, Sask. (Apr. '38) *P*

Fawls, James F., Engr., Sales Dept., Wallace & Tiernan Co., Inc., Newark 1, N.J. (Apr. '47) *MP*

Faye, Martin, Tech. Service, Industrial Chemical Sales Div., West Virginia Pulp & Paper Co., 230 Park Ave., New York 17, N.Y. (Apr. '43) *P*

Feagan, George H., Box 673, Stephenville, Tex. (Jr. M. Jan. '48)

Feben, Douglas, Sr. San. Chemist, City Filtration Plant, Water Works Park, Detroit 14, Mich. (Jan. '36) *Fuller Award '42. P*

Febry, William E., Dist. Supt., Wisconsin Power & Light Co., 1707 Ashland Ave., Beloit, Wis. (Jan. '41) *M*

Federal Pipe & Tank Co., Leon H. Spaulding, Secy. & Treas., 6851 E. Marginal Way, Seattle 8, Wash. (Assoc. M. Feb. '31)

Federick, Joseph C., 75 Euclid Ave., Albany 3, N.Y. (Jan. '46) *MP*

Feeney, Albert Joseph, Asst. Engr., Water Dept., 16th & Market Sts., Wilmington 99, Del. (Apr. '19) *MR*

Feiler, Alfred M., Asst. Prof. Civ. Eng., College of Applied Science, Syracuse Univ., Syracuse, N.Y. (July '48)

Feitel, Ed. E., Pres. & Gen. Mgr., Water Works, Harvey, La. (Apr. '38) *MP*

Felton, W. S., Chemist, Portsmouth Water Dept., 107 Maury Pl., Suffolk, Va. (Jan. '47)

Fenger, J. W., Dist. Sales Mgr., Mathieson Chemical Corp., 24 Idlewood Pl., Hamburg, N.Y. (Apr. '47) *P*

Fenkell, George H., 7716 Jefferson Ave., E., Detroit 14, Mich. (June '20) *Trustee '26–'28. Vice-Pres. '30. President '31. Director '31–'32, '38–'41. Honorary M. '40.*

Fenn, N. Frederick, Vice-Pres., South Bay Cons. Water Co., Bay Shore, N.Y. (Nov. '27) *M*

Fenton, M. F., Mgr., Koppers Co., Inc., 659 E. Gage Ave., Los Angeles 1, Calif. (Dec. '32)

Ferem, Walter, Pres. & Gen. Mgr., The Walter Ferem Co., 112 W. 9th St., Los Angeles 15, Calif. (Jan. '40)

Fergus Falls Water & Light Dept., Howard J. Sowden, Supt., Fergus Falls, Minn. (Corp. M. July '38) *MP*

Fergus, James, Supt., West Newton Water Co., 126—1st St., West Newton, Pa. (July '43) *MP*

Ferguson, George E., Staff Officer, Water Resources Branch, U.S. Geological Survey, Washington 25, D.C. (July '41) *Director '46–'48. Fuller Award '48. R*

Ferguson, George H., Cons. Engr., 296 Buena Vista Rd., Rockcliffe Park, Ottawa, Ont. (Mar. '25) *PR*

Ferguson, Gerald W., S.A. San. Engr. (R), U.S. Public Health Service, Constitution Ave. & 19th St., N.W., Washington 25, D.C. (Jan. '42) *P*

Ferguson, J. B., Proprietor, J. B. Ferguson & Co., 312 W. Washington St., Hagerstown, Md. (Sept. '19)

Ferguson, Jack B., 2304 Greenland Ave., William Rd., Roanoke, Va. (Jan. '48) *MPR*

Ferguson, Wayne, Water Works Supt., Water Dept., 204 Steuben St., Horseheads, N.Y. (July '47)

Fernandez y Simon, Abel, Ing. Consultor, Ave. de la Republica No. 455, Havana, Cuba (Jan. '39)

Ferris, James E., *see* Niagara Alkali Co.

Ferry, Earle J., 108 N. High St., Mt. Vernon, N.Y. (July '45)

Ferzacca, V. J., *see* Pure Water Co., Inc.

Fesperman, H. D., Supt. of Plants, 210 Austin St., Albemarle, N.C. (July '46)

Fiedler, Albert G., Asst. Chief, Div. of Ground Water, U.S. Geological Survey, 18th & F Sts., N.W., Washington 25, D.C. (Jan. '29) *Goodell Prize '39. R*

Field, H. L., Engr. & Supt., Water Dept., Greenfield, Mass. (June '29) *MPR*

Field, Ross B., Jr. Civ. Engr. "A," Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (July '35) *M*

Field, William T., Pres., Field, Emerson & Morgan, Inc., Cons. Engrs., Watertown, N.Y. (Apr. '10) *MPR*

Fields, Bert., Supt., Water Works, Cumberland, Ky. (July '45)

Fiesler, Frederick A., Engr., 145 E. High St., Edwardsville, Ill. (Jan. '44) *MP*

Filby, Ellsworth L., c/o Black & Veatch, Cons. Engrs., 4706 Broadway, Kansas City 2, Mo. (Feb. '22) *Diven Medal '47. PR*

Filipi, T. A., Director, Div. of Sanitation, State Dept. of Health, Lincoln 9, Neb. (Jan. '38) *R*

Filter-Soft Corp., L. T. Hartlove, Pres., 16301 Grand River Ave., Detroit, Mich. (Assoc. M. July '46)

Finch, Lewis S., Chief Engr., Indianapolis Water Co., 113 Monument Circle, Indianapolis 6, Ind. (Oct. '33) *MPR*

Finch, Ronald M., Div. Mgr., Wallace & Tiernan Co., Inc., 416 Flour Exchange Bldg., Minneapolis 15, Minn. (May '25) *Fuller Award '42. P*

Finck, Herbert F., *see* Ecusta Paper Corp.

Findlan, John S., Comr. of Finance, Dept. of Finance, St. Paul, Minn. (Oct. '38)

Finkbeiner, Carleton S., Partner, Finkbeiner, Pettis & Strout, 518 Jefferson Ave., Toledo 4, Ohio (Jan. '38) *MPR*

Finley, Charles A., Cons. Engr., 1802 Law & Finance Bldg., Pittsburgh 19, Pa. (Jan. '47)

Finley, Thomas R., Pres., Finley's Munic. Supply Co., 1133 W. Church St., Orlando, Fla. (Jan. '44)

Finney, J. Wiley, Jr., Prin. San. Engr., State Dept. of Public Health, 420—6th Ave., N., Nashville 3, Tenn. (Apr. '46) *PR*

Fire Underwriters Inspection Bureau, W. C. Freitag, 1229 Plymouth Bldg., Minneapolis 2, Minn. (Corp. M. Feb. '24)

Fires, Joseph A., *see* Wappingers Falls Dept. of Water Supply

Firestone Tire & Rubber Co., Power Dept., Chesley L. Williams, Mgr., 1200 Firestone Pkwy., Akron 17, Ohio (Corp. M. Apr. '44) *PR*

Firth, William J., Consultant, Water Treatment, Instituto Nacional de Obras Sanitarias, Piso 3, Edificio Las Mercedes, Esq. Tienda Honda, Caracas, Venezuela (Jan. '43) *MP*

Fischel, Daniel N., Mng. Editor, American Water Works Assn., 500—5th Ave., New York 18, N.Y. (July '47)

Fischer, F. P., Dist. Mgr., Wallace & Tiernan Co., Inc., 812 Perry Payne Bldg., Cleveland 13, Ohio (July '37) *P*

Fischer, N. J., Supt., Water & Light Dept., 302 Racine St., Jefferson, Wis. (Apr. '42) *M*

Fischer, Robert A., Water Works Supt., Covington, Ky. (Jan. '45) *MP*

Fiscus, David H., Div. Mgr., California Water & Telephone Co., 2130 Huntington Drive, San Marino 9, Calif. (Oct. '35) *M*

Fishel, Vinton C., Dist. Engr., Water Resources Branch, U.S. Geological Survey, Lawrence, Kan. (Apr. '47) *R*

Fisher, Carl L., Deputy City Engr., City Hall, Lincoln, Neb. (Jan. '47) *M*

Fisher, Claude Edgar, Water Service Engr., Virginian Ry. Co., 1304 S. Jefferson, Roanoke, Va. (July '44) *MPR*

Fisher, Frank, Sr. Water Supt., Water Works, Box 75, Clarence, Iowa (July '43)

Fisher, Gerhard R., *see* Fisher Research Lab., Inc.

Fisher, L. A., Supt., Board of Water & Light Comrs., Concord, N.C. (Jan. '14) *MPR*

Fisher, L. M., San. Engr. Director, U.S. Public Health Service, 4th St. & Independence Ave., S.W., Washington, D.C. (July '35) *PR*

Fisher Research Lab., Inc., Gerhard R. Fisher, Pres., 1961–65 University Ave., Box 640, Palo Alto, Calif. (Assoc. M. July '38)

Fisher, Solon D., Resident Salesman, Allied Chemical & Dye Corp., 1224 Key Rd., R.R. 2, Kansas City 3, Kan. (Apr. '48)

Fishers Island Farms, Inc., Harold J. Baker, Fishers Island, N.Y. (Corp. M. May '30)

Fishtein, Max, Mgr., Sales & Service, Mid-West Service Office, Simplex Valve & Meter Co., 53 W. Jackson Blvd., Chicago 4, Ill. (Dec. '27) *MPR*

Fisken, James Binnie, Water Engr., Water Div., N. 221 Wall St., Spokane 8, Wash. (Jan. '42) *MPR*

Fitch, Harold A., Asst. San. Engr., Lake County Water Dept., Court House, Painesville, Ohio (July '43) *MP*

Fitch, Reamy C., Sr. San. Engr., San. Eng. Div., State Dept. of Health, Phoenix, Ariz. (July '47) *P*

Fitchett, John A., Dist. Engr., Johns-Manville Corp., 618 Continental Oil Bldg., Denver, Colo. (Oct. '45) *M*

FitzGerald, Gerald C., Cons. Engr., 625 Rowan Bldg., Los Angeles 13, Calif. (Apr. '29) *R*

Fitzgerald, Howard W., Chief Engr., Div. of Water, Buffalo, N.Y. (Apr. '23) *M*

Fitzgerald, John L., Comr. & Vice-Pres., Passaic Valley Water Com., City Hall, Clifton, N.J. (Oct. '43) *MP*

Fitzgerald, R. W., Supt., Div. of Water Supply, City Hall Bldg., Box 1080, Norfolk 1, Va. (July '38) *Fuller Award '47. MP*

Fitz-Gibbons, G. J., Supt., Water Dept., Caledonia, N.Y. (Apr. '43) *M*

Fitzmaurice, Patrick, Mgr. Abastecimiento de Aguas, V. Carranza No. 18, San Luis Potosi, Mexico (Jan. '44) *MP*

Fitzpatrick, Joseph W., Sales Repr., Ludlow Valve Mfg. Co., 420 R. A. Long Bldg., Kansas City 6, Mo. (Apr. '44)

Five, Helge, Sr. Park Engr., Long Island State Park Com., Babylon, N.Y. (Jan. '39) *P*

Fiveash, Charles E., Supt. of Plants, City Hall, Fort Lauderdale, Fla. (July '39) *MP*

Flaa, Ingwald E., Hydr. Engr., Water Dept., 425 Mason St., San Francisco 1, Calif. (May '15)

Flack, Horace E., Director, Dept. of Legislative Reference, City Hall, Baltimore, Md. (June '19)

Flanders, W. C., Sales Mgr., Worthington Gamon Meter Co., 916 Lake St., Newark 4, N.J. (Oct. '35)

Fleet, Gerald A., 28 McBride Ave., White Plains, N.Y. (Jan. '46) *P*

Fleischmann, Herbert, Cons. Chemist, Box 23, Covington, Ky. (July '46)

Fleming, Edward H., Mojave Div., Dept. of Water & Power, Box 188, Mojave, Calif. (Oct. '34) *P*

Fleming, J. D., Water & Street Supt., City Hall, West Monroe, La. (Jan. '43)

Fleming, Julian R., Assoc. Prof. of Hydr. & San. Eng., Univ. of Tennessee, Ferris Hall, Knoxville, Tenn. (Jan. '41) *P*

Flemming, John G., Box 3566, Oklahoma City, Okla. (Apr. '46)

Flentje, Martin E., Research Engr., American Water Works Co., 50 Broad St., New York 4, N.Y. (Mar. '26) *P*

Fletcher, Alex, Jr., Carbide & Carbon Chemicals Corp., Box "P," Oak Ridge, Tenn. (Jan. '40) *MP*

Fletcher, Alfred H., Director, Bureau of San. Eng., City Health Dept., 125 Worth St., New York 13, N.Y. (Jan. '36) *P*

Fletcher, E. N., City & Cons. Civ. Engr., Municipal Bldg., Des Plaines, Ill. (Jan. '48)

Flexible Sewer-Rod Equipment Co., H. R. Crane, 9059 Venice Blvd., Los Angeles 34, Calif. (Assoc. M. Jan. '38)

Flickinger, W. E., *see* La Porte Water Works

Flint Water Dept., E. L. Holloway, City Hall, Flint, Mich. (Corp. M. Nov. '25)

Flitner, L. S., *see* Idaho Surveying & Rating Bureau, Inc.

Flood, T. S., Cons. Engr., Box 1761, Boise, Idaho (Apr. '44)

Flook, Samuel E., City Engr. & Supt., Water Works Dept., Public Utilities Bldg., Port Arthur, Ont. (Jan. '36)

Florida Keys Aqueduct Com., Ernest A. Ramsey, Mgr., Key West, Fla. (Corp. M. Apr. '44)

Flory, Harry E., Pres., Blue Mountain Cons. Water Co., Nazareth, Pa. (Apr. '37) *M*

Flox Co., Inc., The, C. S. Childs, Treas., 1409 Willow St., Minneapolis 4, Minn. (Assoc. M. Oct. '41)

Fly, Jesse L., Supt. of Treatment, City Water Dept., 801 S. Wall St., Carbondale, Ill. (Jan. '48)

Flynn, A. P. Mickey, Supt. of Meters & Services, The Wichita Water Co., Box 1442, Wichita, Kan. (Jan. '47)

Flynn, Martin W., Owner, Flynn Elec. Co., 225 S. Main St., Council Bluffs, Iowa (Jan. '44) *M*

Flynn, Stephen V., Staff Mgr., Transite Pipe Dept., Johns-Manville Sales Corp., 967 Broad St. Station Bldg., Philadelphia 3, Pa. (July '43)

Fogelman, Claude C., Secy-Treas., Northampton Borough Munic. Authority, 1717 Main St., Northampton, Pa. (Apr. '44) *M*

Foil, Sid. L., Sr., Supt., Water Works, 509 W. 4th St., Pana, Ill. (Oct. '47) *MP*

Foley, M. H., Repr., Hersey Mfg. Co., 830 N. Wabash Ave., Chicago, Ill. (July '48)

Foley, Ray A., *see* Gifford-Hill-American, Inc.

Foltz, A. V., Asst. Supt., Water Works, 110 N. Blanchard St., Findlay, Ohio (Apr. '39) *P*

Fond du Lac Water Dept., Edward J. Braun, Supt., City Hall, Fond du Lac, Wis. (Corp. M. May '19)

Fontana Ranchos Water Co., Edward J. Soehnel, Pres., 851 N. Linden Ave., Rialto, Calif. (Corp. M. July '48)

Fonthill Water Works Com., Harry A. Jenkins, Secy.-Treas., Fonthill, Ont. (Corp. M. Jan. '46) *M*

Food Machinery & Chemical Corp., *see* Peerless Pump Div.

Fooks, Jack Herbert, San. Engr., U.S. Public Health Service, Eng. Sec., 35 E. 7th St., Cincinnati, Ohio (Jan. '47) *R*

Foote, Herbert Branch, Director, Div. of San. Eng., State Board of Health, Helena, Mont. (Aug. '23) *Director '31–'33. Fuller Award '42. P*

Foote, W. P., Sales Engr., The Bristol Co., 6624 White Bldg., Seattle, Wash. (July '48)

Forbes, H. de B., Partner, H. de B. Forbes & Sons, Richmond, Ky. (Oct. '39) *P*

Forbes, H. de B., Jr., Lt. Col., CE, USA, Headquarters, 20th Air Force, APO 234, c/o Postmaster, San Francisco, Calif. (Jan. '46)

Forbes, M. C., Process Engr., Celanese Corp. of America, Box 148, Bishop, Tex. (Jan. '48)

Ford, George A., Pres., Fairfax Hydraulics, Inc., 1715 Lee Highway, Arlington, Va. (July '47)

Ford, H. W., Pittsburgh-Des Moines Steel Co., 270 Broadway, New York 7, N.Y. (July '35)

Ford, John L., *see* Ford Meter Box Co., Inc., The

Ford Meter Box Co., Inc., The, John L. Ford, Secy.-Treas., Wabash, Ind. (Assoc. M. May '08)

Ford, Richard V., The Ford Meter Box Co., Inc., 718 Redman Ave., Haddonfield, N.J. (July '42) *M*

Ford, Walter A., Supt., Water Board, 23 Court St., Cortland, N.Y. (Jan. '36) *M*

Ford, Wilbur E., Pres., The Ford Meter Box Co., Inc., Wabash, Ind. (July '35) *M*

Fore, Clifford, Asst. Gen. Mgr., Illinois Cities Water Co., Mt. Vernon, Ill. (Jan. '37) *Fuller Award '47. Director '48–'51. M*

Foreman, Charles S., Pres., C. S. Foreman Co., 614 Midland Bldg., 1221 Baltimore Ave., Kansas City 6, Mo. (June '20)

Foreman, Merle S., Bacteriologist & Chemist, State Board of Health, 825 Cragmont Ave., Berkeley 8, Calif. (Jan. '28) *P*

Foreman, Phyllis L. (Miss), *see* Hydro-Elec. Power Com. of Ontario, The

Forero Velez, Jorge, Ing. Civ. de la U.N. de Colombia, Avenida 33, No. 16-66, Bogota, Colombia (Jan. '47)

Forest Hill Water Works System, N. MacNicol, Comr. of Works, 333 Lonsdale Rd., Toronto 10, Ont. (Corp. M. Apr. '42) *M*

Forest Public Utilities Co., Stanley Ellerker, Supt., Box 59, Forest, Ont. (Corp. M. Jan. '47)

Forgey, Carl S., Tech. Div., East Bay Munic. Utility Dist., 512—16th St., Oakland 4, Calif. (June '33) *M*

Forni, George P., George P. Forni, 1379—62nd St., Emeryville 8, Calif. (Assoc. M. Oct. '42)

Forrest, Glenn L., *see* Ilion Board of Water Comrs.

Forrest, Kyle, Cons. Engr., 2360 Chestnut St., San Francisco 23, Calif. (July '35)

Forrest, T. C., Jr., Cons. Engr., Praetorian Bldg., Dallas 1, Tex. (Oct. '39) *P*

Forristall, Willard H., Mgr., Factory Insurance Assn., Eastern Regional Office, 555 Asylum St., Hartford 2, Conn. (July '47)

Forsberg, Ole, Chief Chemist, Oliver Iron Mining Co., Hibbing, Minn. (Mar. '21) *Director '33-'36. P*

Forster, Cyril, Mgr., Public Utilities, Box 87, Palmerston, Ont. (Jan. '40) *M*

Forsyth, Joseph R., Project Engr., Morris Knowles, Inc., 1312 Park Bldg., Pittsburgh 22, Pa. (Jan. '46) *P*

Fort, A. E., *see* St. Marys Public Utilities Com.

Fort Collins, City of, Burgis G. Coy, City Engr. & Supt. of Water Works, City Hall, Fort Collins, Colo. (Corp. M. Mar. '26) *MP*

Fort Dodge Water Dept., John W. Pray, Mgr., Munic. Utilities, City Hall, Fort Dodge, Iowa (Corp. M. Jan. '43)

Fortin, Joseph O., Supt. of Water & Sewers, Glen Ellyn, Ill. (July '42) *M*

Fortner, Carl M., Constr. Supt., California Water Service Co., 365 B St., San Mateo, Calif. (Jan. '48)

Forwalder, F. G., *see* Sterling Water Dept.

Foster, Charles, Cons. Engr., 316 Medical Arts Bldg., Duluth 2, Minn. (June '19)

Foster, E. Ronald, Sr. Utilities Engr., Hydr. Div., Public Utilities Dept., California Public Utilities Com., State Bldg., Civic Center, San Francisco, Calif. (Jan. '47) *MPR*

Foster, H. E., *see* Dunnville Public Utilities Com.

Foster, Herbert B., Jr., 479 Kentucky Ave., Berkeley 7, Calif. (Oct. '39) *P*

Foster, Wilbur A., Chemist, Scranton-Spring Brook Water Co., 30 N. Franklin St., Wilkes-Barre, Pa. (Jan. '46) *P*

Foster, William E., Supt., Board of Water Comrs., Municipal Bldg., Peekskill, N.Y. (Jan. '46) *MPR*

Foster, William S., Eng. Editor, *The American City,* 470—4th Ave., New York 16, N.Y. (Apr. '42) *MP*

Foulds, Henry W., Pres., The Permutit Co., 330 W. 42nd St., New York 18, N.Y. (July '40) *P*

Fournier, Gerald, Water Supt., Edmundston, N.B. (Jan. '48)

Fowler, Arthur G., *see* Celanese Corp. of America

Fowler, Edward A., 366 Pine St., New Orleans 18, La. (Apr. '10) *M*

Fowler, H. A., *see* Vermillion Water Dept.

Fowler, H. D., Civ. Engr., Box 3084, Seattle 14, Wash. (July '36)

Fowler, James D., Partner, Koch & Fowler, 701 Great National Life Bldg., Dallas 1, Tex. (July '35) *P*

Fowler, Sam Watson, San. Engr., Sanitation Sec., Guilford County Health Dept., Greensboro, N.C. (Jan. '48) *R*

Fox, C. Maynard, Asst. Distributor, City of Lawrence, 1000 Ohio St., Lawrence, Kan. (Jan. '47)

Fox, Charles L., Cons. Engr., 5260 Center Ave., Pittsburgh 6, Pa. (June '12) *Fuller Award '46. MP*

Fox, George Miller, Mgr., South Bay Cons. Water Co., Inc., Main St., Westhampton Beach, N.Y. (Oct. '45)

Fox, Jeff S., Airways Engr., Civ. Aeronautics Admin., Fort Worth, Tex. (July '42) *P*

Fox, Paul S., Chief of Field Party, Health & San. Div., U.S. Embassy, La Paz, Bolivia (Oct. '24)

Frame, Paul D., Owner & Mgr., Ulrich Chemical Co., 31 E. Georgia St., Indianapolis 4, Ind. (Dec. '37) *P*

Francis, Albert Leslie, Water Works Supt., Corp. of Dist. of Burnaby, Municipal Hall, Edmonds, via New Westminster, B.C. (Jan. '47)

Francis, George Walden, Cons. Engr. & Mgr., The Francis Eng. Co., 303 Eddy Bldg., Saginaw, Mich. (Apr. '38) *MPR*

Francis, James G., Civ. Eng. Assoc., Water System, Dept. of Water & Power, Los Angeles, Calif. (Oct. '31) *MPR*

Franco Henriques, José, Head, Bureau of Water Supply, Federal Service of Water & Sewage, Rua Irineu Marinho, 70 Urca, Rio de Janeiro, Brazil (Jan. '44)

Frank, J. A., Vice-Pres. & Gen Mgr., National Water Main Cleaning Co., 190 Euclid Ave., Hackensack, N.J. (Oct. '40) *MP*

Frank, James E., *see* Valvco, Inc.

Frank, Otto B., Vice-Pres. & Gen. Mgr., Conservative Water Co., 8627 Fir St., Los Angeles 2, Calif. (July '35) *MPR*

Frankhouser, Elmer V., Chief Power Engr., Head of Power & Water Purif. Dept., 585 Mentor Ave., Painesville, Ohio (Oct. '44) *P*

Franklin Contracting Co., Peter I. Zito, Supt. of Asphalt, Clove Rd., Great Notch, N.J. (Assoc. M. Oct. '45)

Franklin, George C., Gen. Council, North Carolina League of Municipalities, 1009 Raleigh Bldg., Raleigh, N.C. (Oct. '46)

Franklin, James W., Chief Clerk, Water Constr. Div., Dept. of Water & Power, 207 S. Broadway, Los Angeles 12, Calif. (July '42)

Franklin, Louis, Owner, Geologists & Drilling Contractors, 6605 Belmont, Houston 5, Tex. (Oct. '47) *R*

Franklin, Walter M., Supt., Water Dept. & Sewage Treatment Plants, Charlotte, N.C. (July '35) *Fuller Award '43.*

Franklin Square Water Dist., Otto J. Laux, Chairman, 16 New Hyde Park Rd., Franklin Square, N.Y. (Mun. Sv. Sub. July '41)

Franzoso, Anthony E., Sr. Utility Operator, Research Center, Water Filtration Plant, Johns-Manville Corp., Manville, N.J. (Jan. '47) *MPR*

Fraschina, Keeno, Asst. Supt., Richmond-Sunset Sewage Treatment Plant, 4545 Lincoln Way, San Francisco 22, Calif. (Jan. '39) *P*

Fraser, James K., Civ. Engr., Barker & Wheeler, Engrs., 516 Washington Ave., Rensselaer, N.Y. (July '46)

Fraser, R. J., Jr., *see* Fraser Utility Supply Co.

Fraser Utility Supply Co., R. J. Fraser Jr., Partner, 3046 Andrita St., Los Angeles 41, Calif. (Assoc. M. Oct. '38)

Fraser, Sam D., Mgr., Carlsbad Mutual Water Co., Box 7, Carlsbad, Calif. (May '26) *MP*

Fraser, William A., Owner, Flint Lake Water Co., Blackhawk Beach, Valparaiso, Ind. (Oct. '41)

Frazier, Henry L., *see* Opalco Lab.

Frazier, Irvin, Salesman, Hays Mfg. Co., 4035 A St., Lincoln, Neb. (July '44) *M*

Frazza, Louis F., Asst. Mgr., Transite Pipe Sec., New York Dist., Johns-Manville Sales Corp., 270 Madison Ave., New York, N.Y. (Oct. '39) *MP*

Frederick, City of, Water Dept., William J. Davis, Water Supt., City Hall Bldg., Frederick, Md. (Corp. M. July '47)

Frederick, Frank, Sr., *see* St. James Water Dist.

Frederick, V. W., *see* Libbey-Owens-Ford Glass Co.

Frederickson, A. Anton, Gen. Supt., City Utilities Co., Pima, Ariz. (July '47) *MP*

Freeburn, H. M., Chief Engr., Philadelphia Suburban Water Co., 1251 Montgomery Ave., Wynnewood, Pa. (May '22) *MP*

Freehauf, Harvey G., Supt. of Utilities, Miami, Okla. (Jan. '48)

Freeland, B. H., Supt. of Utilities, Munic. Light & Water Works, Bluffton, Ind. (Oct. '41)

Freeman, E. M., Cons. Civ. Engr., E. M. Freeman & Assoc., City Bank Bldg., Shreveport 23, La. (July '46)

Freeman, F. Clyde, Owner, Libby & Freeman, Box 2927, 711 W. Church St., Orlando, Fla. (Oct. '46)

Freeman, J. F., Pres., J. F. Freeman & Son, Inc., 229—3rd St., Lawrenceburg, Ind. (Jan. '46) *R*

Freeman, Lawrence S., *see* East Aurora, Village of

Freeman, Philip D., Cons. Engr., 201 Adams Bldg., Norfolk 10, Va. (Oct. '44)

Freeman, Robert B., Vice-Pres., Water Works Service Co., 50 Broad St., New York 4, N.Y. (July '43) *M*

Freeman, William B., Dist. Mgr., Lock Joint Pipe Co., 535 Cooper Bldg., Denver 2, Colo. (Oct. '47) *M*

Freeman, William F., Pres., William F. Freeman Engrs., Inc., High Point, N.C. (Jan. '48)

Freeport, Inc. Village of, Water & Light Depts., Finance & Accounting, Milford F. Van Riper, Comptroller, 46 N. Ocean Ave., Freeport, N.Y. (Corp. M. Apr. '47) *M*

Freese, S. W., Partner, Freese & Nichols, Hydr. & San. Engrs., 407 Danciger Bldg., Fort Worth 1, Tex. (Oct. '41) *P*

Freiberger, William J., Supt., Sylvan Spring Water Co., Sylvan Beach, Oneida County, N.Y. (Jan. '38) *P*

Freitag, W. C., *see* Fire Underwriters Inspection Bureau

French, C. H., San. Engr., Bureau of San. Eng., State Board of Health, State Health Dept., Little Rock, Ark. (Oct. '46) *MPR*

French, Dudley K., Cons. & Eng. Chemist, Box 185, Winnetka, Ill. (May '19) *P*

French, Edward Vinton, 20 School St., Andover, Mass. (July '06)

French, Frank H., Mgr., Factory Insurance Assn., Pacific Regional Office, 465 California St., San Francisco 4, Calif. (July '47)

Fresno City Water Dept., Claude H. Weekes, Supt., 2326 Fresno St., Box 512, Fresno 9, Calif. (Corp. M. Jan. '32) *M*

Frick, A. L., Jr., Div. Mgr., Wallace & Tiernan Sales Corp., 917 Terminal Sales Bldg., Seattle, Wash. (July '37) *P*

Frick, Daniel F., San. Engr., Div. of San. Eng., State Board of Health, 433 Wade Hampton Office Bldg., Columbia 10, S.C. (Jan. '43) *P*

Fricker, Emile J., Vice-Pres., Hackensack Water Co., 4100 Park Ave., Weehawken, N.J. (Mar. '25)

Friedley, John, Supt. of Water, Town of Clarence, Clarence Center, N.Y. (Apr. '47) *M*

Friedman, Benno, Mech. Engr., c/o The Palestine Water Meter Industry, 16 Hasharon St., Tel Aviv, Palestine (Oct. '45)

Friedman, Samuel, Chemist in Charge, Catskill Lab., New York City Dept. of Water Supply, Gas & Elec., Ashokan, N.Y. (Nov. '29) *P*

Freidrichs, C. C., Dist. Mgr., Wallace & Tiernan Co., Inc., 2415 San Jacinto St., Houston 4, Tex. (Jan. '46)

Friel, Francis de Sales, Pres. & Treas., Albright & Friel, Inc., 1528 Walnut St., Philadelphia 2, Pa. (Mar. '26) *P*

Friese, John H., Asst. Engr., City of White Plains, 255 Main St., White Plains, N.Y. (Affil. Jan. '39)

Frith, Cecil, *see* Rocky Mount, Town of

Frith, Gilbert R., Public Health Engr., State Dept. of Public Health, Atlanta 3, Ga. (July '37) *P*

Fritz, William G., Pres., W. G. Fritz Co., Inc., 69 Main St., West Orange, N.J. (May '24)

Frivance, John William, Chief Engr., Utilities Com., Box 537, Washington, N.C. (July '48)

Froehde, F. C., *see* Pomona Water Dept.

Fromherz, Frank C., Civ. & San. Engr., 427 Carondelet St., New Orleans 12, La. (Jan. '48)

Frommholz, Hans Edward, Chief Engr., N. K. Winston Assoc., 22 W. 48th St., New York, N.Y. (July '47) *M*

Fry, James H., Chief Chemist, Filtration Plant, R.R. No. 1, Lebanon Rd., Nashville 10, Tenn. (July '34) *MP*

Fry, Kenneth H., 327 Pacific Highway, Woodburn, Ore. (Oct. '41)

Fry, Loyd M., Supt., Water Dept., 100½ Main St., Jasonville, Ind. (Jan. '45) *MP*

Frye, Horace R., Supt., Water Dept., Sheridan Rd. & Lincoln St., Evanston, Ill. (Mar. '34) *MP*

Frye, P. A., *see* Louisiana Public Service Com.

Frye, Stanley C., Supt., Water Dept., City Hall Bldg., Jackson, Tenn. (June '30) *MP*

Frye, Wade Wilford, Water Plant Operator, Water Dept., Wilmette, Ill. (Jan. '46) *P*

Fryer, Colin John, Dist. Mgr., Dearborn Chemical Co., 1004 S.W. 166th, Seattle 66, Wash. (Oct. '45) *P*

Fugate, G. L., Chief Designing Engr., Dept. of Utilities, San Jacinto River Water Supply Div., 631 Harvard St., Houston 7, Tex. (Oct. '38)

Fuhrman, Ralph E., Supt., Dist. of Columbia Sewage Treatment Plant, 5000 Overlook Ave., S.W., Washington 20, D.C. (Oct. '47) *PR*

Fulkerson, Paul G., Chief Chemist, Filtration Plant, City Utilities, 308 E. Berry St., Fort Wayne, Ind. (Apr. '43) *P*

Fulkman, John A., Water Supply Engr., Consoer, Townsend & Assoc., Cons. Engrs., 351 E. Ohio St., Chicago 11, Ill. (July '28) *PR*

Fuller, A. S., Cons. Civ. Engr., Box 785, Prescott, Ariz. (July '48)

Fuller, A. Kenneth, Mgr., Coronado Dist., San Diego Bay Div., California Water & Telephone Co., 19 W. 9th St., National City, Calif. (July '38) *M*

Fuller, George B., Mgr., Public Utilities Com., Watford, Ont. (Jan. '37) *M*

Fuller, Harry Lawrence, Sales & Contract Engr., Corrosion Control Div., Brik-Re-Nu Co., 1425 Broadway, Kansas City 6, Mo. (July '42) *P*

Fuller, Harry U., Chief Engr., Water Dist., 16 Casco St., Portland 2, Me. (Aug. '32) *M*

Fuller, Nelson M., *see* Batavia Water Dept.

Fuller, R. P., Mgr., California Domestic Water Co., 2505 E. Whittier Blvd., Whittier, Calif. (Oct. '46) *MR*

Fuller, Raymond H., Partner, Burgess & Niple, Civ. & San. Engrs., 568 E. Broad St., Columbus, Ohio (Jan. '44) *MP*

Fuller, V. E., *see* Grinnell Co., Inc.

Fulmer, E. C., Service Engr., Electric Chemical Co., 812 Chestnut St., Parkersburg, W.Va. (Oct. '47) *P*

Fulmer, Frank E., Designing Engr., Clyde E. Williams & Assoc., 312 W. Colfax Ave., South Bend 7, Ind. (Apr. '47)

Fulmer, Fred M., Pres., Water Dept., 204 N. Center St., East Syracuse, N.Y. (July '48)

Fulmer, John O., Jr., City Chemist & Bacteriologist, Bureau of Water, Health & Sewage Disposal, Easton, Pa. (Oct. '45) *MPR*

Fulton, Edward A., Cons. Engr., 3209 Brown Rd., St. Louis 14, Mo. (Apr. '46)

Fulton Water Dept., Harry S. Andrews, City Engr., Fulton, N.Y. (Mun. Sv. Sub. July '45)

Fuss, Karl J., Supt., Water & Sewage Depts., 1201 Marshall St., Mattoon, Ill. (Oct. '47) *MPR*

Gaffney, L. V., Supt., Board of Public Works, Water Works, San. Sewers, Elec. Light & Power, Gaffney, S.C. (July '38) *M*

Gage, George F., Clerk & Treas., Corp. of Village of Long Branch, 1560 Lake Shore Rd., Long Branch, Ont. (Jan. '48)

Gahn, Harry A., Supt., Water Plant, Fort Pierce, Fla. (July '39) *MP*

Gaillard, Loreta (Miss), Sanitarian, Corsicana Navarro County Health Dept., Box 855, Corsicana, Tex. (Jan. '46)

Gainey, Richard J., San. Engr., Water Supply Branch, Engr. Research & Development Labs., Ft. Belvoir, Va. (Oct. '46) *P*

Galesburg Water Dept., R. E. Graham, Supt., City Hall, Galesburg, Ill. (Corp. M. July '41) *MPR*

Galimbert, George M., Sr. San. Engr., San. Eng. Div., Ontario Dept. of Health, 807 Richmond St., N., Toronto, Ont. (Jan. '43) *P*

Gallagher, D. L., Public Works Div., Worthington Pump & Machinery Corp., Harrison, N.J. (July '48)

Gallagher, J. A., Supt., Water Dept., City Hall, Corvallis, Ore. (Jan. '40) *M*

Gallaher, William U., Plant Supt., Water Dept., Appleton, Wis. (Mar. '25) *Fuller Award '43. P*

Galloway, George M., Field Engr., Layne-Northwest Co., 709 N. 11th St., Milwaukee 3, Wis. (Jan. '42) *R*

Gallucci, Theodore A., *see* Tagco, Inc.

Galt Public Utilities Com., Water Works Dept., D. N. Durward, Secy.-Treas., 62 Dickson St., Galt, Ont. (Corp. M. Apr. '47) *M*

Galveston Water Works & Sewerage Dept., Henry Wilkens Jr., Supt., City Hall, Galveston, Tex. (Corp. M. Oct. '45) *MR*

Gamet, Merrill Bartlett, Assoc. Prof. of Civ. Eng., Northwestern Technological Inst., Evanston, Ill. (Oct. '44) *PR*

Gang, O. F., *see* Ludlow Valve Mfg. Co., Inc.

Gannett, Farley, Pres., Gannett, Fleming, Corddry & Carpenter, Inc., 600 N. 2nd St., Harrisburg, Pa. (Jan. '35) *MPR*

Gannon, Edward C., Western Sales Mgr., Culligan Zeolite Co., State & Cajon Rds., San Bernardino, Calif. (Apr. '47)

Garcia-Montes, Jose, Jr., Civ. Engr., Ave. de Belgica No. 258, Havana, Cuba (Jan. '36) *Director '41–'42. Fuller Award '48.*

Garcia, R. F., *see* Central Foundry Co.

Gard, Charles M., San. Engr., Alden E. Stilson & Assoc., 209 S. High St., Columbus, Ohio (Oct. '41) *PR*

Garden City, Inc. Village of, A. H. Rogers, Supt. of Public Works, 110—7th St., Garden City, N.Y. (Corp. M. Apr. '40) *M*

Gardenhire, H. C., Jr., *see* Gardenhire Bros., Inc.

Gardenhire Bros., Inc., H. C. Gardenhire Jr., Pres., Box 351, Bartow, Fla. (Assoc. M. July '46)

Gardner, Clarke, Supt. of Water Dept. & City Engr., Dept. of Public Works, City Hall, Salisbury, Md. (July '36) *MP*

Gardner, Dion L., Geologist & Secy., Orange County Water Dist., 1104 W. 8th St., Santa Ana, Calif. (Oct. '45) *R*

Gardner, Joe H., Pres. & Treas., Bingham & Taylor Corp., 1401 Jefferson Davis Highway, Arlington, Va. (Apr. '37) *M*

Gardner, Leigh O., Cons. Engr., 1632 N. 11th Ave., Phoenix, Ariz. (Oct. '42)

Gardner, Lyle W., Supt., Water Works, Mt. Morris, Mich. (Oct. '47)

Gardner, Robert H., *see* A. M. Byers Co.

Gardner, Ruskin T., Dist. Engr., Wallace & Tiernan Sales Corp., 1713 California Ave., Monrovia, Calif. (Oct. '43) *P*

Gare, Leland R., *see* Ecorse, City of

Garfield, Hamilton H., Div. Auditor, California Water & Telephone Co., 2130 Huntington Drive, San Marino 9, Calif. (Oct. '45) *M*

Garland, Chesley F., Research Assoc. & Project Mgr., Baltimore Harbor Project, San. Eng. Dept., Johns Hopkins Univ., Baltimore 18, Md. (Jan. '42) *MPR*

Garman, H. O., Cons. Engr., 4509 College Ave., Indianapolis 5, Ind. (May '16)

Garms, Grady, Contractor, 29th & Elm Sts., Box 823, Little Rock, Ark. (Oct. '46)

Garner, A. E., *see* Jacksonville, City of

Garner, Herman, Supt., Water Dept., 519 N. Main St., Benton, Ill. (Jan. '42)

Garnier, C. A., Pres., San Jose Hills Water Co., Covina Pass Rd., Puente, Calif. (Oct. '44) *MP*

Garratt, James Ernest, Designing Engr., Div. of Water, 101 City Hall Annex, Newark 2, N.J. (May '30) *M*

Garratt, John N., Dist. Engr., Wallace & Tiernan Co., 2615 Fannin St., Houston, Tex. (Oct. '46)

Garratt, Willis E., Mgr., Rogers City Elec. Light & Power Co., Rogers City, Mich. (Apr. '42) *MP*

Garrett, Arthur A., Hydr. Engr., Water Resources Branch, U.S. Geological Survey, 5373 E. 2nd St., Long Beach 3, Calif. (Oct. '47) *R*

Garrett, G. S., *see* American Water Softener Co.

Garrett, George H., Vice-Pres., Thompson Pipe & Steel Co., Box 2852, Denver 1, Colo. (July '39)

Garrett, J. R., *see* West Columbia Water & Sewer Depts.

Garrett, M. Truett, Sr., Pres., Garrett Eng. Co., 1806 Milan St., Houston 3, Tex. (Oct. '46)

Garrison, Walter L., Supt., Water Works, 27 N. 5th St., Keokuk, Iowa (Oct. '41) *MP*

Garrity, Leo V., Asst. Gen. Supt., Dept. of Water Supply, 16803 Shaftsbury Rd., Detroit, Mich. (July '40)

Garry, John J., Dist. Mgr., S. F. Bowser Co., Ltd., 64 Fraser, Toronto, Ont. (Jan. '48)

Garvelink, Frank, Engr., Village of Lawton, Lawton, Mich. (Affil. July '46)

Gaskill, Charles, Jr., Partner, Gaskill & Walton Construction Co., 17 S. Main St., Crete, Ill. (July '47) *P*

Gaskins, Walter R., Charles Pfizer Co., Box 88, Terre Haute, Ind. (July '46)

Gaspard, August, Supervisor of Plumbing, Sewerage & Water Board, 526 Carondelet St., New Orleans 12, La. (July '37)

Gass, G. M., Sales Mgr., National Iron Corp., Ltd., 324 Cherry St., Toronto 2, Ont. (Jan. '42)

Gass, S. H., *see* Lordsburg Water Dept.

Gasser, Clemont E., Supt., City of St. Petersburg, 322—47th St., N., St. Petersburg, Fla. (Jan. '44) *M*

Gastonia, City of, J. F. Abernethy, Supt. of Utilities, City Hall, Gastonia, N.C. (Corp. M. Oct. '42)

Gately, A. C., Mgr., Jackson County Public Water Supply, Dist. No. 1, Hickman Mills, Mo. (Jan. '46)

Gates, A. J., Supt. & Engr., Water Dept., Municipal Auditorium, Wichita Falls, Tex. (Oct. '43) *MPR*

Gatley, Harold K., Cons. Engr., 925 Main St., Bridgeport 3, Conn. (Jan. '44) *PR*

Gauer, Paul G., Chief Engr., Pumping Dept., Water Dept., Madison, Wis. (May '30) *MPR*

Gausmann, Roy W., Project Supervisor, The J. G. White Eng. Corp., 80 Broad St., New York 4, N.Y. (Mar. '24)

Gauthier, C. W., Supt., Water Dept., Belle River, Ont. (Jan. '38)

Gauthier, R. J., *see* Penetanguishene Water & Light Com.

Gavan, G. F., *see* Lafayette Water Works

Gavett, Weston, San. & Hydr. Engr., 973 Kenyon Ave., Plainfield, N.J. (Nov. '14) *P*

Gayton, Loran D., Asst. City Engr., Dept. of Public Works, 402 City Hall, Chicago 2, Ill. (Oct. '24)

Gearhart, J. N., Sitkum Route, Myrtle Point, Ore. (Jan. '41)

Gearhart, John B., City Engr., Ontario, Ore. (Apr. '48)

Gearhart, John C., Stevens & Koon, 1204 Spalding Bldg., Portland 4, Ore. (Jan. '39)

Gearhart, Ralph W., Cons. Engr., 349—21st St., S.E., Cedar Rapids, Iowa (Apr. '47) *R*

Geary, William J., Mgr., Public Water Supply Dist. No. 1 of Clay County, 286 National Bank Bldg., North Kansas City, Mo. (Jan. '45)

Gedge, Fred G., Water Works Supervisor, Village of Wyoming, 500 Grove Ave., Wyoming, Cincinnati 15, Ohio (Apr. '42) *M*

Geehan, Edward A., *see* Water Works Service Co.

Gehm, Harry W., Tech. Advisor, National Council for Stream Improvement, Inc., 271 Madison Ave., New York 16, N.Y. (Jan. '46)

Geisler, P. W., Dist. Sales Mgr., Alco Products Div., American Locomotive Co., 332 S. Michigan Ave., Chicago 4, Ill. (Apr. '37)

Gelston, W. R., Supt., Water Works Com., 415 Hampshire St., Quincy, Ill. (Jan. '42) *MP*

General Chemical Div., Allied Chemical & Dye Corp., Lewis I. Birdsall, Aluminum Sulfate Specialist, 3357 W. 47th Pl., Chicago 32, Ill. (Assoc. M. June '02)

General Elec. Co., General Elec. Nucleonics Project, H. F. Measly, Hanford Engr. Works, Richland, Wash. (Corp. M. Jan. '48)

General Paint Corp., *see* Hill, Hubbell & Co. Div.

General Utilities Co., Ltd., A. L. Murray, Mng. Director, 1029 Marine Bldg., Vancouver, B.C. (Corp. M. Jan. '38)

General Waterworks Corp., J. R. Pierce, Box 1037, Pine Bluff, Ark. (Corp. M. July '46)

Geneseo, Village of, Dept. of Public Works, Duncan T. MacNaughton, Supt., Geneseo, N.Y. (Corp. M. Apr. '44) *M*

Gentner, Warren A., Deputy Mgr. & Chief Engr., Water Bureau of Metropolitan Dist., 2 American Row, Hartford 4, Conn. (Jan. '42) *MP*

Genzmer, Paul R., *see* Greenport Water Dist. No. 1

George, B. J., Consultant, Power Sales Dept., Kansas City Power & Light Co., 1330 Baltimore Ave., Box 679, Kansas City 10, Mo. (Apr. '44) *MP*

George, J. E., *see* Siloam Springs, City of

George, J. M., Supt., Light & Water Dept., Thomaston, Ga. (Jan. '34)

George, Lloyd, Salesman, Mueller Co., 5755 Wildwood, Indianapolis, Ind. (Apr. '40)

George, William O., Geologist, U.S. Geological Survey, 302 W. 15th St., Austin 14, Tex. (Dec. '43) *R*

Georgeff, Steven, Supt., Water Dept., L'Anse, Mich. (July '44)

Georgetown, City of, Lee C. Black, City Mgr., Water Dept., Main & 9th Sts., Georgetown, Tex. (Corp. M. Oct. '45)

Georgetown Sewerage & Water Comrs., H. G. Mills, Chief Engr., Water Works, Georgetown, British Guiana (Corp. M. Oct. '45)

Georgia, Frederick Raymond, Supervisor, Water Works, Cornell Univ. Filter Plant, Forest Home, Ithaca, N.Y. (May '19) *P*

Gerber, Henry M., *see* Louisville Water Co.

Gerber, Winfred D., 406 W. Florida Ave., Urbana, Ill. (Apr. '29) *Fuller Award '44. R*

Gerin, Maurice, Mgr., Pump & Elec. Divs., Canadian Fairbanks-Morse Co., Ltd., 980 Saint Antoine St., Montreal, Que. (Jan. '48) *MPR*

Gerlach, George M., Gen. Supt., Gulf Public Service Co., Inc., New Iberia, La. (Oct. '42)

German, William E., Supt., Water Dept., 331 Spring St., Palmyra, N.Y. (Jan. '47) *MPR*

Germann, Ernest, Pres., Board of Water Comrs., City Hall, Elizabeth, N.J. (Oct. '43) *M*

Germond, Earl, Dist. Mgr., Wallace & Tiernan Co., Inc., 315 Grove St., Montclair, N.J. (Jan. '44) *P*

Gerstacker, Hans, Supt. of Operation, Water Dept., Box 246, Deer Lodge, Mont. (July '35) *MP*

Gerstein, H. H., Chief Filtration Chemist, South Dist. Filtration Plant, Water Purif. Div., 3300 E. Cheltenham Pl., Chicago 49, Ill. (Dec. '25) *MP*

Geruschat, G. F., Distr. Supt., Elizabeth Township Authority, Buena Vista, Pa. (Apr. '48) *M*

Gettrust, J. S., Supt., Water Purif. & Pumping, Kent, Ohio (June '21) *MP*

Geupel, Louis A., Gen. Supt., Water Works & Levees, Evansville, Ind. (Nov. '22) *MP*

Geuss, George L., Service Engr., Pittsburgh Equitable Meter Div., 50 Church St., New York 7, N.Y. (Jan. '45)

Geyer, John Charles, Assoc. Prof. of San. Eng., San. Eng. Dept., Johns Hopkins Univ., Baltimore 18, Md. (Oct. '34) *PR*

Ghiotto, Louis A., Supt. of Pipe Constr., Bureau of Water Works & Supply, 4337 Finley Ave., Los Angeles, Calif. (Apr. '36)

Giacomazzi, P. A., Supt., Water Works, 117 N. 10th St., Santa Paula, Calif. (Nov. '23) *MP*

Giannetti, Alfred C., Supt. of Maint., Wanaque Borough Water Dept., 22 Jackson St., Haskell, N.J. (Jan. '47)

Gibb, F. R., *see* Water Leak Detector Co.

Gibbons, Edward Vincent, Chief Chemist, Sternson Labs., Ltd., Brantford, Ont. (Jan. '42)

Gibbons, Mortimer M., Supt., Board of Water Comrs., Box 162, Rahway, N.J. (Nov. '22)

Gibbs, Fred S., Pres., Eng. Sales Corp., 308 United Bldg., 43 Leon St., Boston 15, Mass. (July '41) *P*

Gibbs, William O., Supt., California Water & Telephone Co., 19 W. 9th St., National City, Calif. (July '44) *MPR*

Gibeau, H. A., Director of Public Works, City Hall, Montreal 1, Que. (Apr. '45) *MP*

Gibson, C. E., *see* Arcadia Water Dept.

Gibson, S. C., *see* Silver City Water Dept.

Gibson, W. B., Mgr., Transite Pipe Sec., Johns-Manville Sales Corp., 800–101 Marietta St., Atlanta, Ga. (Oct. '37) *Fuller Award '42. Director '45–'46.*

Gibson, William R., Northwest Filter Co., 122 Elliott Ave., W., Seattle 99, Wash. (Jan. '38) *P*

Gidley, Harry K., R.F.D. 3, Chapel Hill, N.C. (Jan. '39) *Fuller Award '45. Director '46–'49. P*

Gierlich, Oswald A., City Engr. & Water Supt., Water Dept., City Hall, Manhattan Beach, Calif. (July '43) *M*

Giesey, Jesse K., Supt. of Operations, Water Dept., Erie & Orange Sts., Toledo 2, Ohio (Sept. '19) *P*

Giesey, Victor A., Pres., Narco Products Co., 1704 W. Carson St., Pittsburgh 19, Pa. (July '45)

Giffels, Bertram, *see* Giffels & Vallet, Inc.

Giffels & Vallet, Inc., Bertram Giffels, Asst. Chief Engr., 1000 Marquette Bldg., Detroit 26, Mich. (Corp. M. Jan. '48) *M*

Gifford-Hill-American, Inc., Ray A. Foley, Pres., 412 Texas Bank Bldg., Dallas, Tex. (Assoc. M. Apr. '45)

Gifft, Howard M., Prof. of San. Eng., Cornell Univ., Ithaca, N.Y. (Apr. '43) *PR*

Gilbert, E. Everett, Supervisor of Maint. & Repair, Houghton College, Houghton, N.Y. (Apr. '47) *MR*

Gilbert, Joseph J., Engr. in Charge, San. Eng. Div., Link-Belt Co., 2045 W. Hunting Park Ave., Philadelphia 40, Pa. (July '37) *P*

Gilbert, M. D., Dist. Mgr., Pittsburgh Equitable Meter Div., Rockwell Mfg. Co., Box 1807, Tulsa, Okla. (July '46)

Gilchrist, Tom, *see* Guelph, Township of

Gilcreas, F. Wellington, Asst. Director in Charge of Labs. for San. & Anal. Chem., Div. of Labs. & Research, State Dept. of Health, New Scotland Ave., Albany 1, N.Y. (Apr. '24) *P*

Gilcrest, R. V., Supt. of Utilities, 202 N. Washington St., Wellington, Kan. (Apr. '43) *MP*

Gilkison, George F., Chemist, My-Gil Chemical Co., Indus. Chemists, Harrisonville, Mo. (Apr. '20) *P*

Gill, John Buckner, Mgr., Transite Pipe Sec., Johns-Manville Sales Corp., 116 New Montgomery St., San Francisco 5, Calif. (Jan. '40) *M*

Gill, L. M., *see* Darco Corp.

Gilles, R. H., Sales Engr., D. W. Haering & Co., Inc., 5503 E. 4th Pl., Tulsa, Okla. (July '48)

Gillespie, C. G., 239 W. Wilson St., Banning, Calif. (June '11) *Fuller Award '47. P*

Gillespie, Robert N., Chief Engr., Cement Gun Co., Inc., 1520 Walnut St., Allentown, Pa. (Apr. '43)

Gillespie, Wylie W., Partner, Smith & Gillespie, Engrs., Box 1048, Jacksonville 1, Fla. (July '41) *MPR*

Gillett, S. Howard, Secy.-Treas., Utilities Com., 607 Canada Bldg., Windsor, Ont. (Jan. '46) *M*

Gillette, E. Scranton, *see Water & Sewage Works*

Gilliam, R. A., *see* Burlington Mills Corp.

Gilliland, Earl D., Supt., City Water Com., Cleveland, Tenn. (July '48)

Gilman, Harry, Toxicologist, Box 123, Folsom, Pa. (Apr. '39) *P*

Gilman, N. A., City Water Supt., Yakima, Wash. (June '34) *M*

Gilmer, William Lawrence, Partner, Polglaze & Basenberg, Engrs., 1001–6 Empire Bldg., Birmingham 3, Ala. (Apr. '46) *MPR*

Gilmore Steel & Supply Co., Charles A. Lundy, Salesman, Pipe, Valve & Fitting Dept., 840 Brannan St., San Francisco, Calif. (Assoc. M. Jan. '47)

Gilstrap, J. R., *see* Haskell Water Dept.

Gilwood, Martin E., Asst. Mgr. of Research, The Permutit Co., 330 W. 42nd St., New York 18, N.Y. (July '48)

Ginter, Roll, Supt., Water Works, 130 W. 6th St., Newton, Kan. (Apr. '46)

Givens, George F., Supt., Public Works, Box 153, Port Orchard, Wash. (Apr. '46) *MP*

Glace, Ivan M., Cons. Engr., 1001 N. Front St., Harrisburg, Pa. (Nov. '21) *Fuller Award '41. Director '42–'45. P*

Glace, Ivan M., Jr., Cons. Engr., 1001 N. Front St., Harrisburg, Pa. (Jan. '42)

Glamorgan Pipe & Foundry Co., W. W. Winfree, Vice-Pres. in Charge of Sales, Lynchburg, Va. (Assoc. M. Nov. '07)

Glancy, Blair J., Supt., South Montebello Irrigation Dist., 437 Bluff Rd., Montebello, Calif. (July '47)

Glashaw, Frank L., Div. Mgr., Edison Sault Elec. Co., St. Ignace, Mich. (Oct. '46)

Glass, Harry J., Harry J. Glass & Assoc., Mfrs. Repr., Box 1484, Colorado Springs, Colo. (Oct. '47) *PR*

Glass, W. A., *see* Miami Dept. of Water & Sewers

Glassbrook, E. F., Mgr., Public Utilities California Corp., Niles, Calif. (Apr. '30) *M*

Glassel, O. E., Indus. Engr., The Foxboro Co., 233 Curtis Bldg., Detroit 2, Mich. (Apr. '48)

Glauber Brass Mfg. Co., The, Kinsman, Ohio (Assoc. M. May '14)

Gleeson, George H., Sales Mgr., Water Meter Div., Rockwell Mfg. Co., 400 N. Lexington Ave., Pittsburgh, Pa. (July '40)

Glencoe Public Utilities Com., W. D. J. Moss, Chairman, Box 97, Glencoe, Ont. (Corp. M. Apr. '48)

Glendale Public Service Dept., Peter Diederich, Gen. Mgr. & Chief Engr., 119 N. Glendale Ave., Glendale 6, Calif. (Corp. M. Dec. '14) *M*

Glendora Water Dept., H. H. Loose, City Clerk, City Hall, Glendora, Calif. (Corp. M. Jan. '43)

Glen Ridge Water Dept., Andrew F. Eschenfelder, Supt., Municipal Bldg., Glen Ridge, N.J. (Corp. M. Oct. '22) *MR*

Glens Falls Board of Water Comrs., Ernest L. H. Meyer, Supt., Glens Falls, N.Y. (Mun. Sv. Sub. Oct. '18) *M*

Glidden, Arthur Leland, Vice-Pres., Ranney Water Collector Corp. of New York, 33 W. 42nd St., New York 18, N.Y. (July '35)

Glover, Nelson G., Prin. Bacteriologist, Dept. of Health, 54 W. Hubbard St., Chicago, Ill. (Jan. '48)

Glover, W. Wayne, 307 E. Leamy Ave., Springfield, Pa. (Jan. '42)

Gloversville Water Works, Walter J. Van Brocklin, Supt., 19 W. Fulton St., Gloversville, N.Y. (Mun. Sv. Sub. Jan. '43) *MPR*

Glueck, Frank J., San. Engr., Henkels & McCoy, Contractors, 1504 E. Cliveden St., Philadelphia 19, Pa. (Oct. '47)

Gober, Edgar M., Water Plant Supervisor, Tennessee Valley Authority, 201 W. Spring St., Florence, Ala. (July '48)

Goddard, Rexford Wendell, San. Engr., Dist. No. 2, Dept. of National Health & Welfare, Box 296, St. John, N.B. (Oct. '47)

Godfrey, W. R., *see* St. John Water & Sewerage Dept.

Godwin, George H., Mgr., Munic. Utilities Board, Water Dept., Box 1066, Decatur, Ala. (Apr. '36) *MP*

Goedhart, Robert C., Chemist in Charge, Boiler Feed, U.S.S.C., Box 385, Clewiston, Fla. (July '47)

Goehring, Edwin C., Asst. Mgr., Beaver Falls Munic. Authority, Beaver Falls, Pa. (Apr. '39) *MP*

Goff, M. H., *see* Milford Water Co.

Gohlke, Otto C., Supt., Water Dept., Findlay, Ohio (Oct. '45) *M*

Goit, Laurance E., Chief Engr. of Water Works & Deputy Gen. Mgr., Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Oct. '34) *Goodell Prize '37. M*

Gold, Donald Davis, Graduate Research Asst., Univ. of Florida, Gainesville, Fla. (Jan. '43)

Goldak Co., The, Fred P. Greenhalgh, Mgr., 1544 W. Glenoaks Blvd., Glendale 1, Calif. (Assoc. M. July '47)

Goldberg, S. Dan, Irrigation Inspector of Southern Palestine, Jewish Agency for Palestine, 34 Yavneh St., Tel Aviv, Palestine (Apr. '47)

Golden, Frank, Dist. Mgr., Culligan Zeolite Co., 2017 Cedar Springs Ave., Dallas 1, Tex. (Apr. '47)

Golden, George, City Supt., 30 Gerald Ave., Highland Park 3, Mich. (Jan. '38) *M*

Golden-Anderson Valve Specialty Co., J. A. Voland, Gen. Mgr., 1702 Keenan Bldg., Pittsburgh 22, Pa. (Assoc. M. Oct. '34)

Golder, Hugh C., Tech. Mgr., Economic Water Softeners, Ltd., Warwick Rd., Greet, Birmingham 11, England (July '37)

Goldman, Ernst E., Designing Engr., Food Supply Div., Inst. of Inter-American Affairs, Port-au-Prince, Haiti, W.I. (Apr. '44) *R*

Goldman, Oscar G., Asst. Supt., Water Dept., 425 Mason St., San Francisco, Calif. (Jan. '47)

Goldsborough, Donald H., Jr. Assoc. Engr., Bureau of Water Supply, 1904 Homewood Ave., Baltimore 18, Md. (July '42) *M*

Goldsmith, Clarence, Asst. Chief Engr., National Board of Fire Underwriters, 222 W. Adams St., Chicago 6, Ill. (Dec. '15) *M*

Goldsworthy, C. M., Mgr., California Water & Telephone Co., 439 Tyler St., Monterey, Calif. (Oct. '38) *M*

Gonzales City Utilities, Carlos C. Smith, Mgr., Gonzales, Tex. (Corp. M. Jan. '46) *M*

Gonzalez Carrera, Juan Ernesto, Field Engr., Harold T. Smith, Water Supply Contractor, Box 630, Quito, Ecuador (Jan. '47)

Gooch, E. W., City Engr., Water Board, Engr.'s Office, Bellingham, Wash. (Apr. '40) *MPR*

Gooch, W. T., Prof. of Chem., Baylor Univ., Chemist, City Water Works, 808 Speight Ave., Waco, Tex. (Apr. '25) *P*

Goode, Norman John, Sr. San. Engr., Public Health Eng. Div., Dept. of National Health & Welfare, 413 Post Office Bldg., Regina, Sask. (Jan. '47) *PR*

Goodell, Joseph Edward, City Chemist, Old City Hall, Box 457, Lancaster, Pa. (Apr. '24) *P*

Goodfellow, E. J., Village Treas. & Clerk, Municipal Bldg., Manlius, N.Y. (July '47) *MR*

Goodhue, D. J., Mgr., Munic. Utilities, 14 E. 5th St., La Junta, Colo. (Oct. '47) *M*

Gooding, A. M., *see* Marmaduke, City of

Gooding, Gerald J., 77 Hamilton Ave., New Rochelle, N.Y. (June '30)

Goodman, Adolph E., Assoc. Engr., Bureau of Water Supply, 403 Municipal Bldg., Akron 8, Ohio (Apr. '39)

Goodnight, V. L., City Engr., City Hall, Corvallis, Ore. (Apr. '43)

Goodrich, B. F., Chemical Co., T. C. Tudor, Power Engr., Steam & Water Dept., Port Neches, Tex. (Corp. M. July '44) *P*

Goodrich, O. M., City Mgr., Stockton, Kan. (Jan. '47)

Goodspeed, Richard C., Pres., California-Michigan Land & Water Co., 1715 Fair Oaks Ave., South Pasadena, Calif. (July '37) *MR*

Goodwin, James William, Pres., J. W. Goodwin Eng. Co., Inc., Cons. Engr., 726 S. 29th St., Birmingham 5, Ala. (Jan. '40) *MPR*

Goodyear Synthetic Rubber Corp., E. B. Edmundson Jr., Utilities Eng. Foreman, Box 5397, Houston 12, Tex. (Corp. M. Jan. '48)

Gordon, F. G., Asst. City Engr., 220 S. State St., Chicago, Ill. (June '21) *P*

Gordon, Fred F., Cons. Engr., 1200 Park Ave., Rochester 10, N.Y. (July '35) *P*

Gordon, Jack, Supt., Water Dept., Rochester, Ind. (Oct. '39)

Gordon, Milton Oliver, Operator, Water Plant, Ft. Lauderdale, Fla. (July '47) *P*

Gordon, Murray L., Town Engr., Truro, N.S. (Jan. '37) *MR*

Gordon, Spiro G., Draftsman, Water Purif. Div., South Dist. Filtration Plant, 3300 E. Cheltenham Pl., Chicago 49, Ill. (Jan. '47)

Gordy, Fred, Mgr., Water Works, Box 670, Conway, Ark. (Jan. '46) *M*

Gorham, Woodrow Wilson, Supt., Water Purif. Plant, Wichita Falls, Tex. (Jan. '45) *P*

Gorman, Arthur Ellsworth, San. Engr., Atomic Energy Com., 138 A.E.C. Bldg., Washington, D.C. (Mar. '24) *Diven Medal '27. MPR*

Gorman, Richard C., Jr., Dist. San. Engr., Div. of Sanitation, State Dept. of Health, 44 Genesee St., Hornell, N.Y. (May '29) *MP*

Gosney, B. C., Supt., Water & Sewer Dept., City Hall, Auburn, Wash. (July '38) *M*

Gotaas, Harold B., Prof. of San Eng., College of Eng. & School of Public Health, Univ. of California, Berkeley 4, Calif. (Jan. '38) *PR*

Goudey, Ray F., Truesdail Labs., Inc., 4101 N. Figueroa St., Los Angeles 31, Calif. (Apr. '18) *Fuller Award '40. Goodell Prize '42. Director '45–'48. P*

Gouin, Paul, Supt., Filtration Plant, 38 St. Joseph St., Dorval, Que. (Apr. '41) *P*

Gould, Harold Thomas, Supt., Water Dept., 320 W. Newmark Ave., Monterey Park, Calif. (Jan. '47)

Gouveia, Antonio, Caixa Postal 728, Bahia, Brazil (July '48)

Grabb, George W., Supt., Water Works Dept., Public Utilities Com., Chesley, Ont. (Mar. '32)

Graeser, Henry J., Jr., San. Engr., War Dept., Office of Chief Engr., Repairs & Utils. Div., Water & Sewage Sec., Washington 25, D.C. (Oct. '45) *MP*

Graf, August V., Chief Chem. Engr., Water Works, St. Louis, Mo. (June '14) *Fuller Award '40. P*

Graf, Walter W., Cons. Engr., 350 E. Main St., Lancaster, Ohio (Apr. '43) *P*

Graham, C. W., Water Works Engr., Canadian Underwriters Assn., 44 Victoria St., Toronto, Ont. (Jan. '47)

Graham, D. W., San. Engr., Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Jan. '38) *P*

Graham, Howard E., Asst. Supt., Water Service, Illinois Central System, 8054 Dobson Ave., Chicago 19, Ill. (Oct. '43)

Graham, Maynard, *see* Loveland, City of

Graham, R. E., *see* Galesburg Water Dept.

Graham, William, Foreman of Waste Water Disposal, Richfield Oil Corp., Box 787, Wilmington, Calif. (Jan. '45) *P*

Gram, A. L., Exec. Secy., Metropolitan Water Dist. of Southern California, 1870 Los Robles Ave., San Marino 9, Calif. (Jan. '37) *MP*

Gran, John E., Assoc. Prof. of Chemistry, School of Chemistry, Univ. of Alabama, University, Ala. (Apr. '38) *PR*

Granata, Joseph P., Chemist, Maritime Chemical & Repair Corp., 421 Hamilton Ave., Brooklyn 32, N.Y. (July '46)

Granda y Deben, Robel, San Engr., Public Health Service, 23 No. 1464 E/22y24, Vedado, Havana, Cuba (July '38)

Grandfield, Norman A., Asst. Mgr., Public Utilities Com., 32 Queen St., Brantford, Ont. (Apr. '48)

Grand Rapids Water Works, Dept. of Public Service, Div. of Water & Light, Joseph P. De Korn, Supt., 1101 Monroe Ave., N.W., Grand Rapids, Mich. (Corp. M. Feb. '13) *MR*

Granger, Dale W., *see* Landel Metropolitan Dist.

Grant, Burton S., Asst. Chief Engr. of Water Works, Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Oct. '34) *M*

Grant, Fred, Plant Supt., Filtration Plant, North Tonawanda, N.Y. (Apr. '47)

Grant, Homer D., *see* Panhandle Construction Co.

Grant, Howard L., Vice-Pres., Garrett Eng. Co., 1806 Milam St., Houston 3, Tex. (Apr. '46) *P*

Grant, S. L., City Mgr., City Hall, Winchester, Va. (July '35)

Grant, U. J., *see* Rittman Board of Public Affairs

Grant, Wallace, Chemist, West Virginia Water Service Co., 814 Peoples Bldg., Charleston 5, W.Va. (Jan. '45) *P*

Grantham, George R., Asst. Prof. of San. Eng., Dept. of Civ. Eng., Univ. of Florida, Gainesville, Fla. (Jan. '44) *PR*

Grassman, H. S., *see* Taylor Forge & Pipe Works

Gravenhurst Elec. Light & Water Com., G. G. Williams, Secy.-Treas., Gravenhurst, Ont. (Corp. M. Jan. '44) *M*

Graver Tank & Mfg. Co., Inc., E. W. Welp, Sales Mgr., Water Treatment Div., East Chicago, Ind. (Assoc. M. June '30)

Graves, H. D., 830 Tejon St., Denver, Colo. (Apr. '46)

Graves, Quintin B., Prof. of San. Eng., Dept. of Civ. Eng., Oklahoma A & M College, Stillwater, Okla. (Apr. '39) *MPR*

Graves, Roy C., Supt. of Water Works, Anheuser-Busch, Inc., 721 Pestolozzi St., St. Louis 18, Mo. (July '35) *P*

Gray, Alexander, Overseer & Gatekeeper, Water Works, 10 Felix St., Rochester, N.Y. (Jan. '46)

Gray, Arthur E., Vice-Pres., Pipe Protection Service, Inc., 2616 Skillman Ave., Long Island City, N. Y. (Apr. '47)

Gray, Don E., Assoc., G. D. Hall & Assoc., Cons. Engrs., Larson Bldg., Yakima, Wash. (Jan. '47) *MPR*

Gray, E. W., 1403 Oliver Bldg., Pittsburgh 22, Pa. (Apr. '44)

Gray, Eugene D., Supt., Water Board, 5th Ave., Attalla, Ala. (July '47) *M*

Gray, Harold Farnsworth, San. & Hydr. Engr., 2540 Benvenue Ave., Berkeley 4, Calif. (Aug. '33) *P*

Gray, Hugh, Supt., Water Works, Newport, Tenn. (Jan. '47)

Gray, Marvin A., 1016 Tarento Drive, San Diego 7, Calif. (Jan. '46)

Gray, Samuel, Water Registrar, Montvale, N.J. (Oct. '35) *M*

Grayson, L. W., *see* Riverside Water Dept.

Great Falls, City of, Great Falls, Mont. (Corp. M. Jan. '25)

Great Western Div., Dow Chemical Co., J. F. Smith, Sales Mgr., 310 Sansome St., San Francisco 4, Calif. (Assoc. M. July '41)

Greco, A. J., Mgr., New Jersey Div., Water Utilities Service Corp., 1 Morgan Ave., Palmyra, N.J. (Affil. Jan. '39) *M*

Greco, Augustine, Supt., Water Works, 25 Lenox Ave., Pompton Lakes, N.J. (July '48)

Greece, Town of, Water Dept., William D. Denise, Supt., 1100 Latta Rd., Rochester 12, N.Y. (Mun. Sv. Sub. Oct. '35) *M*

Greeley, City of, Roy E. Seaman, Supt. of Water & Sewers, Greeley, Colo. (Corp. M. Apr. '26)

Greeley, Samuel A., Greeley & Hansen, 220 S. State St., Chicago 4, Ill. (July '07)

Green, A. Rice, Hydr. Engr., Meadowbrook Heights, Charlottesville, Va. (Jan. '46)

Green, Carl E., Cons. Engr., John W. Cunningham & Assoc., 1112 Spalding Bldg., Portland 4, Ore. (July '31) *P*

Green, Charles B., Supt., Florence Township Water Works, 410 W. Front St., Florence, N.J. (Apr. '39) *P*

Green, Harvey T., Jr. Assoc. Engr., Bureau of Water Supply, 504 Municipal Office Bldg., Baltimore 2, Md. (Jan. '40) *MR*

Green, Howard R., Partner, Howard R. Green Co., Cons. Engrs., Bever Bldg., Cedar Rapids, Iowa (Jan. '41) *PR*

Green, Nelson B., Secy., Detroit Chemical Works, 125 S. Junction Ave., Detroit 9, Mich. (Jan. '38) *P*

Green, O. R., Supt., Water Dept., 7th & Pine Sts., Pittsburg, Kan. (Oct. '47)

Green, Richard Stedman, San. Engr., San. Eng. Div., U.S. Public Health Service, Washington 25, D.C. (Jan. '42) *R*

Green, Sterling S., Research & Testing Engr., Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Jan. '39) *M*

Green, Stewart G., 13545—1st Ave., N.E., Seattle 33, Wash. (Apr. '47)

Green, Wallace, Water Supt., Gresham, Ore. (Jan. '47)

Green Bay Water Dept., Harold L. Londo, Supt., 310 E. Mason St., Green Bay, Wis. (Corp. M. Nov. '14) *MR*

Greenberg, Stuart N., *see* Greenberg's M., Sons

Greenberg's, M., Sons, Stuart N. Greenberg, 765 Folsom St., San Francisco 7, Calif. (Assoc. M. Sept. '24)

Greenburgh Water Dept., Dan C. Nolan Jr., Town Engr., Lyceum Bldg., Tarrytown, N.Y. (Corp. M. Oct. '37) *M*

Greene, Howard W., *see* Marquette, City of

Greene, Percy W., Gen. Mgr. & Secy.-Treas., Public Utilities Com., Cobourg, Ont. (Jan. '48) *M*

Greene, William J., Jr., Engr., Wiedeman & Singleton, Cons. Engrs., 1303 Citizens & Southern National Bank Bldg., Atlanta, Ga. (Oct. '46) *MPR*

Greenfield, Robert Edman, Gen. Supt., A. E. Staley Mfg. Co., Decatur, Ill. (Feb. '17) *P*

Greenhalgh, Fred P., *see* Goldak Co., The

Greenleaf, John W., Jr., Asst. Chief Design Engr., Ford, Bacon & Davis, Inc., 69 W. Washington St., Chicago, Ill. (Oct. '47) *PR*

Greenlee, J. L., Supt., Munic. Water Dept., City Hall, Charlotte 2, N.C. (June '26)

Greenport Water Dept., Harry M. Monsell, Supt., Greenport, N.Y. (Corp. M. July '43)

Greenport Water Dist. No. 1, Paul R. Genzmer, Supt., Route 1, Hudson, N.Y. (Corp. M. July '43) *M*

Greensboro Water Dept., W. M. Lynbrook, Supt. of Public Service, Greensboro, N.C. (Corp. M. Oct. '43)

Greenwood, J. M., Supt. of Works, Eng. Dept., 209 W. 4th St., North Vancouver, B.C. (Jan. '46)

Greenwood, Paul, Chief Engr., Water Works, Moorestown, N.J. (Oct. '38)

Greer, Willard N., Chem. Engr., Leeds & Northrup Co., 4901 Stenton Ave., Philadelphia 44, Pa. (Apr. '26)

Gregg, A. Pierce, *see* The Gregg Co., Inc.

Gregg Co., Inc., The, A. Pierce Gregg, Pres., 1418 Walnut St., Philadelphia 2, Pa. (Assoc. M. July '46)

Gregory, R. S., Supt., Munic. Water Dept., City Hall, Trinidad, Colo. (Jan. '40)

Gregory, Robert H., Jr., Asst. Engr., Bureau of San. Eng., State Dept. of Health, Richmond 19, Va. (Apr. '47)

Gregory, Robert W., Supt., Water Works, Cone Mills Corp., Greensboro, N.C. (Apr. '39) *MPR*

Gresham, Hill Campbell, Bus. Mgr., *Southwest Water Works Journal,* Temple, Tex. (Oct. '46)

Gresham, R. O., Editor, *Southwest Water Works Journal,* Temple, Tex. (Apr. '43)

Gresham, Robert L., Valuation Engr., Southern California Water Co., 1206 S. Maple Ave., Los Angeles 15, Calif. (Oct. '43) *M*

Grider, H. L., Mgr., Factory Insurance Assn., Western Regional Office, 175 W. Jackson Blvd., Chicago 4, Ill. (July '47) *R*

Griebel, Joseph, *see* Liberty Water Works

Grier, John L., Gen. Foreman, Elec. Trouble Dept., Cincinnati Gas & Elec. Co., 323 Plum St., Cincinnati 2, Ohio (Jan. '44) *M*

Griesmeyer, R. W., Utilities Operating Dept., Sewage & Water Treatment Engr., Electro-Motive Div., General Motors Corp., La Grange, Ill. (Oct. '45) *P*

Grieve, Robert M., Service Engr., R. W. Sparling, 101 Park Ave., New York 17, N.Y. (Apr. '47) *P*

Griffeth, F. B., Dist. Mgr., Wallace & Tiernan Co., Inc., 424 University Bldg., Syracuse 2, N.Y. (Apr. '44) *MPR*

Griffey, H. A., 2035 Kakela Drive, Honolulu 24, Hawaii (June '20)

Griffin, Attmore E., Director, Tech. Service Div., Wallace & Tiernan Co., Inc., Newark 1, N.J. (May '30) *Fuller Award '44. P*

Griffin, Douglas P., Dist. Engr., Div. of San. Eng., State Dept. of Health, City Bldg., Mansfield, Ohio (Oct. '45)

Griffin, Guy E., Water Supply Engr., American Cyanamid Co., 30 Rockefeller Plaza, New York 20, N.Y. (July '26) *MR*

Griffith, D. H., *see* Inglewood Water Dept.

Griffith, E. Miles, Distr. Engr., Water Dept., City Hall, Racine, Wis. (July '42) *MP*

Griffiths, James G., Gen. Mgr., Kensington Munic. Authority, Box 592, New Kensington, Pa. (Oct. '24) *M*

Grime, Edwin M., Registered Professional Engr., 215 S. Lexington Pkwy., St. Paul 5, Minn. (July '26) *PR*

Grimes, L. A., Supt., Water Dept., City Hall, Abilene, Tex. (Oct. '47)

Grimmer, Allan K., Town Engr., Canadian International Paper Co., Temiskaming, Que. (June '20)

Grimshaw, E. V., Supt., Woodlawn Water Co., Box 30, Aliquippa, Pa. (Oct. '43) *MP*

Grinnell Co., Inc., V. E. Fuller, Branch Mgr., Box 2727, Charlotte 1, N.C. (Assoc. M. May '23)

Grippen, Earl J., *see* Endicott Water Works Co.

Grippi, Vincent, Designer, Services Div., H. K. Ferguson Co., Inc., 19 Rector St., New York, N.Y. (July '47) *P*

Griswold, Harold S., San. Engr., Southwestern Branch Office, State Board of Health, 400½ E. Van Trees St., Washington, Ind. (Jan. '43)

Griswold, Harold Wiley, 95 Huntington St., Hartford 5, Conn. (Mar. '33) *M*

Griswold, Laurence J., Engr., Board of Water Supply, 712 Washington St., Utica 2, N.Y. (Mar. '33) *MP*

Grodin, Bernard, Fuel Economy Eng. Co., 510 New York Bldg., St. Paul 1, Minn. (Apr. '39) *P*

Groff, Gilbert, Asst. Director, Div. of San. Eng., State Health Dept., Bismarck, N.D. (July '46) *P*

Grosboll, Lorin E., Sales Repr., Mueller Co., 244 Perrin Pl., Charlotte 7, N.C. (July '48)

Gross, Dwight D., Chief Engr. & Supt. of Operation, Board of Water Comrs., City & County of Denver, Box 629, Denver 1, Colo. (July '25) *Fuller Award '44. Director '46–'49. MR*

Grosse, George A., Pres. & Gen. Mgr., Three Oaks Water Works Co., 9 W. Ash St., Three Oaks, Mich. (July '46)

Grosse Pointe Park, Village of, Everitt B. Lane, Munic. Mgr. & Engr., 15115 E. Jefferson, Grosse Pointe Park, Mich. (Corp. M. Jan. '48) *R*

Grossman, Frank, Sales Repr., Glamorgan Pipe & Foundry Co., 122 S. Michigan Ave., Chicago 3, Ill. (Mar. '34)

Grossman, Max, Asst. Supt. & Engr., Water Dept., City Hall, Atlantic City, N.J. (Oct. '40) *M*

Grotte, Sylvan, Director of Operations, H. B. Salter Mfg. Co., Marysville, Ohio (Apr. '48) *M*

Grotz, William H., Civ. Engr., Div. of Water, Porter Ave. Pumping Station, Buffalo, N.Y. (June '21)

Grove, Herbert S., Gen. Mgr., Board of Water Comrs., 204 N. 3rd St., Stillwater, Minn. (Oct. '37) *Director '45–'48. M*

Grove Regulator Co., W. G. Craig, Administrative Asst., 6529 Hollis St., Oakland 8, Calif. (Assoc. M. Jan. '47)

Growdon, H. C., Supt., Water Works, 728—2nd St., Portsmouth, Ohio (Apr. '41)

Grubb, W. Allen, Vice-Pres., American Pipe & Construction Co., Box 1898, Piedmont Station, Portland 11, Ore. (Apr. '46) *R*

Gruetzmacher, Clarence Saylor, Engr. of Distr., Constr. Div., Water Works, 401 City Hall, Milwaukee 2, Wis. (June '20) *MPR*

Grupe, Edgar Y., Cons. Engr., Route 2, E. Overland Drive, Scottsbluff, Neb. (Jan. '48)

Grush, Delbert I., Supt. of Power, Anaconda Copper Mining Co., Anaconda, Mont. (Apr. '41) *MP*

Guatemala City, Cia del Agua del Mariscal, S.A., Otto Roberto Dorion, Commercial & Tech. Mgr., Guatemala City, Guatemala (Corp. M. Jan. '36)

Guelph, Township of, Tom Gilchrist, Clerk, 20 Douglas St., Guelph, Ont. (Corp. M. Mar. '24)

Guenther, C. E., *see* Salem Water Dept. [Ore.]

Guenther, Ralph C., Pres., Guenther, Inc., 1121 Beyers Ave., South Bend 15, Ind. (July '45) *P*

Guernsey, C. H., Prin. Owner, C. H. Guernsey & Co., 1414 B. N. Robinson St., Oklahoma City 2, Okla. (Oct. '46)

Guest, H. B., Mgr., Houston Office, American Cast Iron Pipe Co., 904 Citizen State Bank Bldg., Houston 2, Tex. (Jan. '46)

Guevara Domingo, Alarcon, Ing., Calle Ignacio de la Llave No. 2, Veracruz, Ver., Mexico (Jan. '38)

Guice, Lawrence W., Mgr., Arkadelphia Water Co., Arkadelphia, Ark. (Oct. '47) *MP*

Guillermety, Luis M., Jr., Box 4789, San Juan 24, Puerto Rico (Jan. '45)
Guillermety, Manuel, Supt. & Chemist, Water Works, Govt. of the Capital, Box 3803, Santurce, Puerto Rico (July '44)
Gulden, Horace B., 30 W. South St., Carlisle, Pa. (Jan. '40)
Gulf States Utilities Co., R. J. Robertson, Supt. of Production, Box 2431, Louisiana Station, Baton Rouge, 2, La. (Corp. M. Apr. '10) *MP*
Gullans, Oscar, Director of Filtration Labs., Div. of Water Purif., South Dist. Filtration Plant, 3300 E. Cheltenham Pl., Chicago 49, Ill. (May '33) *MP*
Gumaer, Ralph, Vice-Pres., Philadelphia Meter Co., 1803 Finance Bldg., Philadelphia 2, Pa. (July '44)
Gunderson, N. E., Pres., Layne-Northern Co., Mishawaka, Ind. (July '37) *R*
Gunter, Elder, *see* Junction City Water Dept.
Gunter, Herman, Director, State Geological Survey, Drawer 631, Tallahassee, Fla. (May '28) *R*
Gunther, Harold L., Engr., North Jersey Dist. Water Supply Com., Wanaque Reservoir Headworks, Wanaque, N.J. (Apr. '48)
Gurney, Bert, Mgr., Eng. Sales, Interstate Machinery & Supply Co., 1006 Douglas St., Omaha 8, Neb. (July '35) *P*
Gushard, Robert R., *see* American Viscose Corp.
Guthrie, J. Thomson, Mfrs. Agent, Signal Mt., Tenn. (Apr. '37) *M*
Gutierrez Bolivar, Alberto, Calle 2 No. 303, Vedado, Havana, Cuba (Jr. M. Jan. '48) *P*
Gutsch, A. C., Supt., City Water Works, R.R. No. 4, Washington, Ind. (Jan. '39) *MP*
Guttridge, T. F., Mgr., Water Works Dept., Port Stanley, Ont. (Apr. '41)
Guy, L. E., Supt., Water & Sewer Dept., 207 N. Lisbon St., Carrollton, Ohio (Affil. Oct. '45)
Guyer, Ted, Owner & Operator, Guyer Drilling Co., Macksville, Kan. (Jan. '48)
Guyton, William Franklin, Hydr. Engr., Water Resources Branch, U.S. Geological Survey, Washington 25, D.C. (Apr. '42) *R*
Gwin, Lewis L., Registered Professional Engr., 201 Aldrich Ave., Altoona, Pa. (July '46)

Haag, Donald M., Salesman, Grinnell Co., 520 Mateo, Los Angeles, Calif. (Oct. '46)
Haas, Eugene G., Resident Cons. Engr., Morris Knowles, Inc., 3904 Vaux St., Philadelphia 29, Pa. (Apr. '47)
Haas, S. G. Frank, Tech. Engr., Sewerage & Water Board, New Orleans 12, La. (Oct. '33) *P*
Haberer, James H., Biochemist & Consultant, 108 Lynch Ave., Utica 4, N.Y. (Jan. '44) *P*
Haberer, H. N., *see* Adirondack Water Works
Hablik, Frank J., Prin. Draftsman, Bureau of Water Supply, 1316 Crofton Rd., Baltimore, Md. (Jan. '42)
Hackbert, C. R., *see* Kimberly-Clark Corp.
Hackler, J. S., City Mgr., Martinsville, Va. (Oct. '44)
Hackmaster, Glen H., *see* Independence, City of
Haddonfield Borough Water Dept., J. Ross Logan, Clerk & Comptroller, 242 Kings Highway E., Haddonfield, N.J. (Corp. M. Apr. '40) *M*
Hadley, Henry, City Engr., City Hall, Verdun 19, Que., (Apr. '41) *M*
Haering, D. W., & Co., Inc., V. W. Haering, Pres., 205 W. Wacker Drive, Chicago 6, Ill. (Assoc. M. Jan. '44)
Haering, V. W., *see* Haering, D. W., & Co., Inc.
Haferkamp, Henry A., Supt., Water Dept., 307 E. Olive St., Staunton, Ill. (Apr. '46) *P*
Haff, E. L., *see* Coffeyville Water & Light Dept.
Hafner, William Louis, Field Repr., Wallace & Tiernan Co., Inc., 1229 W. Washington Blvd., Chicago, Ill. (Jan. '45) *MPR*
Hagar, C. C., *see* Palisades Del Rey Water Co.
Hagar, Major C., Supt., Water Dept., City Hall, Lawrence, Kan. (Apr. '39) *MPR*
Hagberg, Ralph A., Water Purif. Engr., Industrial Chemical Sales Div., West Virginia Pulp & Paper Co., 844 Leader Bldg., Cleveland 14, Ohio (July '46)
Hagel, L. W., Supt., Water Dept., City Hall, Springfield, Ill. (Oct. '47)
Hageman, Donald E., Gen. Supt., City Water Dept., Billings, Mont. (Jan. '48) *M*
Hageman, F. Marion, Director of Service & Safety, Munic. Water Works, St. Marys, Ohio (Oct. '47)
Hagenmaier, Carl E., Asst. Water & Fuel Supervisor, Southern Pacific R.R., 610 S. Main St., Los Angeles, Calif. (Jan. '46)
Hagerstown Water Dept., C. M. Rinehart, Supt., Hagerstown, Ind. (Corp. M. Jan. '43)
Haggott, Ben, Pres. & Mgr., Palos Verdes Water Co., Palos Verdes Estates, Calif. (Jan. '41) *M*
Hagood, Howard, Jr., Asst. Div. Mgr., Water Treatment Div., B & B Eng. & Supply Co., Inc., Box 1144, Houston, Tex. (Oct. '46) *P*
Hahn, Otto R., *see* Santa Ana Water Dept.
Hail, J. J., Supt., Water Dept., City Hall, Dubuque, Iowa (Oct. '38) *MPR*

Haimes, James, City Engr., Lethbridge, Alta. (July '43) *P*

Hainstock, H. N., Dist. Mgr., International Water Supply, Ltd., 1722 College Ave., Regina, Sask. (Apr. '41) *R*

Haiss, Carl Eugene, Sr. Engr., Div. of Constr., State Dept. of Public Works, Gov. Alfred E. Smith Office Bldg., Albany 1, N.Y. (Oct. '37) *PR*

Halden, H. O., Owner, H. O. Halden Co., 221 Plaza Theatre Bldg., Kansas City 2, Mo. (Oct. '45) *P*

Hale, Frank E., Box 452, Southern Pines, N.C. (May '08) *Goodell Prize '35. Honorary M. '44. P*

Hale, Frank F., Pres., Teneva Water Works, Inc., Box 891, Kingsport, Tenn. (July '48)

Hale, Harrison, Research Chemist, Bureau of Research, Univ. of Arkansas, Fayetteville, Ark. (Jan. '40) *P*

Hale, Harry C., Supt., Water & Light Dept., Lamar, Mo. (Jan. '45)

Hale, J. Elliott, Supt., Kennebec Water Dist., 16 Common St., Waterville, Me. (Jan. '48) *M*

Hale, John S., Cons. Engr., Echols Bldg., Box 961, Staunton, Va. (July '45) *P*

Hales, James L., Asst. Mng. Director, State Planning Board, 517 Commercial Bldg., Raleigh, N.C. (Oct. '45)

Haley, Jesse Lee, Jr., Supt., Water & Light Dept., Amory, Miss. (Jan. '48) *M*

Hall, E. W., Resident Agent Engr., Layne Central Co., Box 2222, Jackson, Miss. (Apr. '47)

Hall, G. D., Owner, G. D. Hall & Assoc., Cons. Engrs., Larson Bldg., Yakima, Wash. (Jan. '36) *MPR*

Hall, George Albro, Asst. Engr., State Dept. of Health, 301 State Depts. Bldg., Columbus 15, Ohio (July '38) *MP*

Hall, George L., Chief Engr., State Dept. of Health, 2411 N. Charles St., Baltimore 18, Md. (Oct. '37) *MP*

Hall, H. F., Chief Engr., Water Works Dept., Northern Apts., Sarnia, Ont. (June '20)

Hall, H. G., Supt., Public Utilities Com., Ingersol, Ont. (Mar. '23)

Hall, Harold E., Chief Operator, Northern Illinois Water Corp., R.R. 2, Rock Falls, Ill. (Oct. '47)

Hall, Harry R., Chief Engr., Washington Suburban San. Dist., 4017 Hamilton St., Hyattsville, Md. (May '15) *MP*

Hall, Howard W., Gen. Mgr., Exchange Lemon Products Co., Box 36, Corona, Calif. (Jan. '48) *PR*

Hall, John D., Supt., Dept. of Water & Sewer, City Hall, Ithaca, N.Y. (Oct. '37) *MP*

Hall, John W., Gen. Mgr., Fresno Plant, Consolidated Western Steel Corp., 2421 California Ave., Box 1066, Fresno, Calif. (July '41)

Hall, John W., Fort Shaw, Mont. (May '25) *Director '48–'51.*

Hall, Lisle G., Mgr., Terre Haute Water Works Corp., 119 S. 7th St., Terre Haute, Ind. (July '48)

Hall, Louis E., Gen. Foreman, Bureau of Water, Dewey Ave. & Felix St., Rochester 6, N.Y. (Jan. '47)

Hall, Merton Glenn, Mgr., Centerville Water Service Co., Centerville, Iowa (Jan. '48)

Hall, Raymond E., San. Engr., Lucas County, Court House, Toledo 2, Ohio (Oct. '47)

Hall, Ronald S., Pres., Hall & Co., Inc., 353 Delaware Ave., Delmar, N.Y. (Apr. '43) *PR*

Hall, W. H., Dean, College of Eng., Duke Univ., Durham, N.C. (Jan. '30) *P*

Hallam, G. C., Water Supt., Box 447, Orofino, Idaho (June '33) *M*

Hallam, James P., Ashcroft, Lostock Junction Lane, Lostock, Near Bolton, Lancaster, England (July '39)

Haller, Charles H., Sr., Supt., Water Works, Box 45, Port Orange, Fla. (July '47)

Hallgren, E. N., Mgr., E. N. Hallgren Co., 1252—1st Ave., S., Seattle 4, Wash. (Dec. '29)

Halloran, Harry R., Contractor, Conduit & Foundation Corp., 770 Schuylkill Ave., Philadelphia 46, Pa. (Apr. '44)

Halpin, Henry E., Fire Protection Engr., Inspection Dept., Factory Mutual Fire Insurance Cos., 184 High St., Boston 10, Mass. (Jan. '30) *MP*

Ham, Clifford, Chairman, Water Dept., Colton, Calif. (July '48)

Ham, John T., 200 Alhambra, San Francisco, Calif. (Oct. '38) *MP*

Hamblin, C. W., *see* Mason City Water Dept.

Hamel, Clarence G., *see* Manhasset-Lakeville Water Dist.

Hamelin, Douglas Franklin, Pres. & Mgr., Western Water Wells, Ltd., Calgary, Alta. (Jan. '45) *R*

Hamig, Louis L., Ferris & Hamig, Cons. Engrs., 1706 Olive St., St. Louis 3, Mo. (July '45)

Hamilton, Al, Supt. of Utilities, Augusta, Kan. (Jan. '48)

Hamilton, Jesse R., Supt., Water Dept., Empire Dist. Elec. Co., Marionville, Mo. (Oct. '46)

Hamilton, Richard L., Sales Mgr., Pittsburgh Equitable Meter Div., Rockwell Mfg. Co., 146 N. Green St., Jackson, Miss. (July '47) *M*

Hamilton, Robert C., City Chemist, Supt., Water & Sewage Works, Elizabethtown, Ky. (Jan. '45) *MP*

Hamilton, S. C., Dist. Sales Mgr., Chicago Bridge & Iron Co., 1412 National Standard Bldg., Houston 2, Tex. (Jan. '36) *P*

Hamler, Bruce, Supt., Water Works, City Hall, Rome, Ga. (Apr. '40) *MP*

Hamlin, Francis M., Water Plant Supt., Water Dept., Public Utilities, McAllen, Tex. (Apr. '43) *MP*

Hamlin, G. W., Acting Comr. of Water & Heat, Water Div., 103 City Hall, Cleveland 14, Ohio (July '40) *MP*

Hammel, C. W., Water Plant Operator, Water Works, 213 Railroad Ave., Sistersville, W.Va. (Affil. Jan. '39) *P*

Hammermill Paper Co., Christian Steinford, Anal. Lab., Erie, Pa. (Corp. M. Oct. '43) *P*

Hammerschmidt, E. G., Chief Chemist, Texoma Natural Gas Co., Fritch, Tex. (Jan. '39) *P*

Hammes, J. Allan, *see* Sheboygan Board of Water Comrs.

Hammond, George B., *see* Peoria Heights Water Works

Hammond, J. Curtis, Chief Engr., Water Dept., Box 271, Gadsden, Ala. (Oct. '44)

Hamtramck Water Dept., Alexander Smolenski, Water Service Supervisor, 2963 Dan Ave., Hamtramck 12, Mich. (Corp. M. Apr. '44) *M*

Handley, Bura O., *see* Wellington, City of

Hanes, J. C., Div. of Health & Sanitation, Inst. of Inter-American Affairs, c/o U.S. Embassy, San Salvador, El Salvador (July '39) *P*

Haney, Paul D., U.S. Public Health Service, 302 Kroger Bldg., Cincinnati 2, Ohio (Jan. '39) *P*

Hanks, Fred W., *see* Hanks, Fred W., Co.

Hanks, Fred W., Co., Fred W. Hanks, Mgr., 10624 St. Clair Ave., Cleveland 8, Ohio (Assoc. M. June '26)

Hanlon, T. W., Jr., 4212 Loma Alto, Dallas, Tex. (Oct. '39)

Hann, Charles B., Indus. Repr., Johns-Manville Corp., 1111 Bancroft Pkwy., Wilmington 160, Del. (Oct. '44) *M*

Hanna, David McLean, Supt. of Distr., Water Div., Utilities Com., 605 Canada Bldg., Windsor, Ont. (June '20) *MR*

Hanna, R. B., Supt., Public Utilities Com., Listowel, Ont. (Jan. '31)

Hannan, J., Jr., 4720 Baltimore Ave., Hyattsville, Md. (June '30)

Hannum, V. W., Supt., Water Dept., 518 S. Los Angeles St., Anaheim, Calif. (July '35) *M*

Hanover Public Utilities Com., Herman Denef, Supt. & Secy.-Treas., Water Works Dept., Box 476, Hanover, Ont. (Corp. M. Jan. '44) *MPR*

Hansen, A. H., *see* Hibbing Water, Light, Power & Building Com.

Hansen, Alfred E., Cons. Civ. Engr., 401-02 Michigan Theatre Bldg., Muskegon, Mich. (Jan. '45)

Hansen, Robert E., Supt., Filtration Plant & Pumping Station, Water Dept., Route 4, Box 228, Mt. Clemens, Mich. (Jan. '47) *P*

Hanson, Arthur M., U.S. Public Health Service, Water & San. Investigations, E. 3rd & Kilgour Sts., Cincinnati, Ohio (Oct. '43) *P*

Hanson, Arthur T., Chief Engr., Water Works, Sioux Falls, S.D. (Jan. '48)

Hanson, Harold A., Box 99, Grand Rapids, Minn. (July '35)

Hapgood, Joseph C., Supt., Water Dept., 411 Mahoning, N.W., Warren, Ohio (Oct. '35) *MP*

Harada, Masato B., Asst. Civ. Engr., Board of Water Supply, Box 3410, Honolulu 1, Hawaii (Jan. '48) *MR*

Harbaugh, Robert R., Civ. Engr., Munic. Water & Elec. Plant, 127 E. 3rd St., Muscatine, Iowa (Oct. '44) *MP*

Harbert, Virgil R., Supt., Lumberport Water Co., Lumberport, W.Va. (Affil. Jan. '44) *P*

Hardenbergh, W. A., Editor, *Public Works*, 310 E. 45th St., New York 17, N.Y. (Jan. '46) *P*

Hardesty, J. Paul, Asst. Supt., Board of Trustees of Public Affairs, 215 S. Marietta St., St. Clairsville, Ohio (Apr. '40) *MP*

Hardin, Eugene A., 3113 W. Queen Lane, Philadelphia 29, Pa. (Nov. '25) *P*

Hardin, L. H., Supt., Munic. Utilities, Camden, S.C. (July '48)

Harding, Fred W., Plant Supt., Water Dept., Okemah, Okla. (Apr. '36) *P*

Harding, James C., Comr., Westchester County Dept. of Public Works, County Office Bldg., White Plains, N.Y. (June '22) *Diven Medal '45. R*

Harding, Robert W., 240 Bushmell Ave., San Antonio 2, Tex. (Oct. '35) *Fuller Award '46.*

Harding, William Thomas, Jr., Mfrs. Repr., Box 4020, Charlotte 2, N.C. (July '43) *M*

Hardman, Robert L., Chief Engr., National Water Main Cleaning Co., 50 Church St., New York 7, N.Y. (Jan. '47)

Hardware & Supply Co., The, H. H. Kuhn, Pres., 475—535 S. High St., Akron 11, Ohio (Assoc. M. July '44)

Hardy, Charles B., Supt., Bureau of Water, 19 City Hall, Worcester 8, Mass. (July '42) *M*

Hardy, Joseph E., *see* Colonial Heights, City of

Hare, J. M., Mgr. & Supt., Public Utilities Com., Port Dalhousie, Ont. (Apr. '42) *M*

Hargett, Albert Eugene, Sales Repr., The Ford Meter Box Co., Inc., Box 624, Bowling Green, Ky. (Mar. '29)

Hargleroad, James C., Asst. Supt., San. Dist., Hammond, Ind. (Jr. M. Apr. '46) *P*

Harlamert, Paul A., Mgr., Transite Pipe Sec., Johns-Manville Sales Corp., 1530 Guildhall Bldg., Cleveland 15, Ohio (July '35) *MP*

Harlan Munic. Water Works, C. S. Layson, Supt., Harlan, Ky. (Corp. M. Apr. '38) *M*

Harley, Frank E., Civ. Engr., Fairlawn-Radburn Trust Company Bldg., Fairlawn, N.J. (Jan. '36) *P*

Harlock, C. R., Supt. of Water Treatment, U.S. Dept. of Justice, Box 163, Steilacoom, Wash. (July '38) *P*

Harman, W. B., Asst. Gen. Mgr., Water Works Com., Newport News, Va. (July '34) *M*

Harmon, Burt, Hydr. Engr., Water Dept., 403 Municipal Utilities Bldg., Long Beach 2, Calif. (Oct. '32) *PR*

Harmon, Judson A., San. Engr., State Dept. of Health, State Bldg., Los Angeles, Calif. (Sept. '31) *MP*

Harmstad, Frank C., Sales Mgr., Hydrant & Valve Dept., R. D. Wood Co., 1072 Public Ledger Bldg., Philadelphia 5, Pa. (Jan. '47)

Harnish, C. P., Exec. Vice-Pres., Southern California Water Co., 950 Bendix Bldg., 1206 S. Maple Ave., Los Angeles 15, Calif. (Aug. '29)

Harper, H. F., *see* Salina Water Works

Harper, L. E., Pres., Omega Machine Co., 122 S. Michigan Ave., Chicago 3, Ill. (July '37) *P*

Harriger, Howard B., Supt., Water Dept., Coraopolis, Pa. (Apr. '41)

Harrington, Chester L., Gen. Mgr., Light & Water Works, Bryan, Ohio (July '46)

Harrington, George E., Assoc. Chemist, Dalecarlia Filtration Plant, 5900 MacArthur Blvd., N.W., Washington 16, D.C. (July '43) *P*

Harrington, Gerald F., Pres., Soft Water, Inc., 545—28th St., Des Moines 12, Iowa (Apr. '46)

Harrington, John B., Director, Div. of San. Eng., State Dept. of Health, Charleston 5, W.Va. (July '38) *Director '40–'43. Fuller Award '41.*

Harrington, John H., Chemist, Filtration Div., Dept. of Public Works, 3161 Joseph St., Montreal, Que. (Jan. '37) *P*

Harrington, William L., Supt., Munic. Water System, Mayfield, Ky. (July '42) *MP*

Harris, Alfred J., Supt., Public Works, Township of Haddon, 232 Burrwood Ave., Collingswood P.O., Camden County, N.J. (Apr. '42) *M*

Harris, Henry S., Asst. Mgr., Gas & Water Distr. Dept., Union Light, Heat & Power Co., Covington, Ky. (Apr. '43) *M*

Harris, Hilton H., Supt., Water Dept., City Hall, Compton, Calif. (Oct. '38) *M*

Harris, Howard A., Engr. of Design, California Water Service Co., Box 1150, San Jose, Calif. (Aug. '27) *MR*

Harris, John P., Industrial Chemical Sales Co., Inc., 35 E. Wacker Drive, Chicago 1, Ill. (Oct. '33) *P*

Harris, Monroe, Repr., Johns-Manville Sales Corp., Box 28, Phoenix, Ariz. (July '48)

Harris, Roy M., Chief San. Engr., Med. Dept., Creole Petroleum Corp., Apdo. 889, Caracas, Venezuela (Jan. '35)

Harris, Shirley W., Mgr., Chicago Office, McWane Cast Iron Pipe Co., 333 N. Michigan Ave., Chicago 1, Ill. (Feb. '27)

Harris, Stanford E., Supt., Water Dept., Goldsboro, N.C. (Jan. '46) *M*

Harris, T. R., Pres., Eng. Service Corp., Decatur Club Bldg., Decatur 48, Ill. (Jan. '48)

Harris, W. N., *see* McAllen Public Utilities

Harris, Walter A., Chemist, Water Works, 38 Rajotte Blvd., La Providence, St. Hyacinthe, Que. (Apr. '48)

Harris, William Leslie, Chief Chemist, Water Dept., Grand Rapids, Mich. (July '40) *Fuller Award '47. P*

Harrison, Cecil H., Chief Engr., Water Dept., Box 122, Enid, Okla. (Oct. '39) *MP*

Harrison, Harry C., Board of Trustees, City Water Works, 130 Park Ave., Council Bluffs, Iowa (Jan. '44) *MP*

Harrison, James, Chief Engr., Water Dept., Utilities Com., 223 Aylmer St., Peterborough, Ont. (Jan. '41) *MP*

Harrison, Louis B., Supt. of Filtration, Water Dept., City Hall, Bay City, Mich. (Feb. '31) *Fuller Award '44. MP*

Harrison, Ronald, *see* Scarborough Public Utilities Com.

Harrison, Wayne K., Design Engr., Public Service Dept., 553 N. Sparks St., Burbank, Calif. (July '48)

Harshbarger, E. D., Jr., *see* Pitt Construction Co., The

Harshbarger, E. D., Sr., The Pitt Construction Co., 239 Gladstone Rd., Pittsburgh 17, Pa. (June '24) *P*

Harstad, H. T., Box 3047, Seattle 14, Wash. (Jan. '42)

Hart, Robert A., III, Gen. Mgr., Istrouma Water Co., Inc., 294 Donmour St., Baton Rouge, La. (Jan. '48)

Hart, W. B., Service Supt., Atlantic Refining Co., 3144 Passyunk Ave., Philadelphia 45, Pa. (Jan. '46) *MPR*

Harte, John J., Pres., John J. Harte Co., Forsyth Bldg., Atlanta, Ga. (Oct. '45) *MP*

Hartley, John R., Asst. Sales Mgr., Builders-Providence, Inc., 9 Codding St., Providence 1, R.I. (Apr. '43) *MPR*

Hartlove, L. T., *see* Filter-Soft Corp.

Hartman, Bruno J., Pres., Jerry Donohue Eng. Co., 608 N. 8th St., Sheboygan, Wis. (Jan. '44) *MP*

Hartman, W. C., Supt. of Filtration, Munic. Water Works, Box 57, Milledgeville, Ga. (July '44) *P*

Hartmann, Frederick W., Gen. Mgr., Cummins Diesel Sales of Wisconsin, Inc., 745 N. 16th St., Milwaukee 3, Wis. (July '25) *MR*

Hartung, H. O., Plant Engr., St. Louis County Water Co., 6600 Delmar Blvd., University City, St. Louis 5, Mo. (July '38) *P*

Hartwell, Oliver W., Dist. Engr., U.S. Geological Survey, 228 Federal Bldg., Trenton 9, N.J. (Jan. '28) *R*

Harvey, Louis Robinson, Salesman, Indus. Products Div., Johns-Manville Sales Corp., 777 Thomas St., Seattle 9, Wash. (July '43) *R*

Harvie, Claude Hamilton, Public Works Supt., Corp. of Dist. of Surrey, Cloverdale, B.C. (Jan. '45)

Harvill, Clyde Randolph, San. Engr., Water Div., City Hall, Houston 2, Tex. (Apr. '41) *MPR*

Harvill, Henry J., Water Works, San Benito, Tex. (Jan. '45) *MP*

Harwood, Sherman A., Mgr., Consumer's Dept., Conservative Water Co., 8627 Fir St., Los Angeles 2, Calif. (Oct. '42) *MPR*

Hasbrouck, Philip B., Mgr., Fontana Union Water Co., Box 126, Fontana, Calif. (May '30) *M*

Haskell Water Dept., J. R. Gilstrap, Supt., Haskell, Tex. (Corp. M. Oct. '46)

Haskew, George M., Engr. & Supt., Plainfield-Union Water Co., 26 E. Broad St., Westfield, N.J. (July '29) *MPR*

Haskins, Charles A., Cons. Engr., 800 Finance Bldg., Kansas City 6, Mo. (June '14) *MPR*

Hassler, John W., Director of Research, Industrial Chemical Sales Div., West Virginia Pulp & Paper Co., 4 Hillcrest, Tyrone, Pa. (Jan. '37) *P*

Hastain, James E., Cons. Engr., 1114 N. 7th St., Phoenix, Ariz. (Apr. '48)

Hastings Board of Public Works, Andrew S. Reiff, Supt., Water & Light Dept., Box 397, Hastings, Neb. (Corp. M. Jan. '36) *M*

Hastings, F. Coolidge, Jr., Engr., Turbine Equipment Co., 75 West St., New York, N.Y. (Jan. '45)

Hastings, Richard Garland, Jr., Asst. San. Engr., W. C. Olsen, Cons. Engr., Raleigh, N.C. (Affil. Jan. '48) *P*

Hastings, W. E., *see* Mount Morris Water Dept.

Hastings, Warren W., Chemist, Water Resources Branch, U.S. Geological Survey, Washington 25, D.C. (Jan. '43) *R*

Hatch, A. S., Constr. Engr., Dept. of Utilities, City Hall, Houston, Tex. (Oct. '42) *MP*

Hatch, Aram H., Chief Chemist in charge of Water Purif. Plants & Testing Labs. of Panama Canal, Box 793, Balboa, Canal Zone (Aug. '27)

Hatch, Bernard F., Partner, Burgess & Niple, Civ. & San. Engrs., 568 E. Broad St., Columbus 15, Ohio (Jan. '47) *MPR*

Hatch, R. L., Plant Chemist, Brunner, Mond Canada, Ltd., Amherstburg, Ont. (Jan. '42)

Hatcher, Melvin Pross, Director, Water Dept., City Hall, Kansas City 6, Mo. (July '40) *Goodell Prize '48. M*

Hatchew, Clayton J., Water Supt., Box 178, Flushing, Mich. (Apr. '48)

Hatfield, C. R., Partner, Hatfield Eng. Co., Barfield Bldg., Amarillo, Tex. (Oct. '47)

Hatfield, Lawrence G., Chem. Engr., Tech. Div., W. H. & L. D. Betz, 37 W. Van Buren St., Chicago 5, Ill. (Jan. '45) *P*

Hatfield, William D., Supt., San. Dist., 249 Linden Ave., Decatur, Ill. (Jan. '17) *P*

Hatton, Bert, Salesman, Johns-Manville Sales Corp., 777 Thomas St., Seattle, Wash. (July '47)

Hauck, Arthur, Water Purveyor, Town Hall, Kearny, N.J. (Oct. '46)

Hauck, Charles F., Engr., Process & Waste Water Eng. Service, Hall Labs., Inc., 323—4th Ave., Pittsburgh, Pa. (Apr. '42) *PR*

Hauer, Gerald E., Chief Engr., The American Well Works, Aurora, Ill. (July '41) *P*

Haugen, J. E., *see* Havre Water Dept.

Haughey, James P., Utilities Mgr., Municipal Offices, Watkins Glen, N.Y. (July '44)

Hausmann, A. R., Pacific Coast Mgr., U.S. Pipe & Foundry Co., 681 Market St., San Francisco 5, Calif. (Aug. '33)

Havens, William L., Partner, Havens & Emerson, Cons. Engrs., 1140 Leader Bldg., Cleveland 14, Ohio (June '26) *P*

Havill, Harold T., Resident Engr., New York City Dept. of Water Supply, Gas & Elec., Box 133, Valhalla, N.Y. (June '02) *M*

Havlina, Ernest J., Civ. Eng. Asst., 1735 W. 69th St., Los Angeles 44, Calif. (Oct. '45) *MP*

Havre Water Dept., J. E. Haugen, City Engr., City Hall, Havre, Mont. (Corp. M. Jan. '42)

Hawken, Frank S., Sr. Chem. Engr., 3954 Greer Ave., St. Louis 7, Mo. (Jan. '35)

Hawkins, John L., Supt., City Water Works, Greenville, S.C. (Jan. '36) *Director '46–'49. M*

Hawkins, Karl W., Field Engr., The Pitometer Co., 1608 Fairview Ave., Park Ridge, Ill. (Apr. '44)

Hawkins, Ralph, Supt. of Utilities, Box 7, Auburn, Neb. (July '46)

Hawkins, W. J., *see* Bridgeport Brass Co.

Hawley, John J., Salesman, Chicago Div., Hersey Mfg. Co., 830 N. Wabash Ave., Chicago 11, Ill. (Apr. '43)

Hawley, William Roy, Mayor & Chairman of Board, Village Water Dept., Webster, N.Y. (Jan. '42)

Hawthorne Munic. Water Works, Melvin G. Lloyd, Supt., 110 E. 126th St., Hawthorne, Calif. (Corp. M. Jan. '42) *M*

Hayden, Richard, Chemist, Suburban Water Co., 5 Costello Rd., Verona, Pa. (July '41) *P*

Haydock, Charles, Cons. Engr., Commercial Trust Bldg., Philadelphia 2, Pa. (Feb. '19)

Hayes, Harry, Sr. San. Engr., Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Feb. '33) *Goodell Prize '37. P*

Hayes, Reginald F., *see* Hydraulic Development Corp.

Hayford, Carl B., Pres., Village of Brookfield, 3706 Maple Ave., Brookfield, Ill. (July '47)

Hayman, Michael & Co., Inc., Arthur H. Rosenbaum, Sales Mgr., 856 E. Ferry St., Buffalo, N.Y. (Assoc. M. Oct. '35)

Hayne, Robert Y., Hayne Eng. Co., Charleston, W.Va. (Jan. '48)

Haynes, Lawson, Plant Supt., West Virginia Water Service Co., 181 Summers St., Charleston, W.Va. (Oct. '39) *P*

Hayob, Henry, Supt., Water Dept., Munic. Utilities, 110 E. Arrow St., Marshall, Mo. (July '45)

Hays Mfg. Co., John D. Clemens, Vice-Pres. & Gen. Mgr., 801 W. 12th St., Erie, Pa. (Assoc. M. Mar. '82)

Hays, Paul J., City Engr., Williston, N.D. (Oct. '47)

Hayward, Harold, 8037—252nd St., Bellerose 6, N.Y. (Apr. '47)

Haywood, R. W., Jr., Asst. to Div. Engr., Sanitation Div., American Viscose Corp., 35 S. 9th St., Philadelphia 7, Pa. (Jan. '37) *MP*

Hazelquist, Svarre E., Tech. Director, Pulp Div., Weyerhaeuser Timber Co., Longview, Wash. (Jan. '48) *P*

Hazen, John B., Supt., Butte Water Co., Butte, Mont. (Apr. '38)

Hazen, Richard, Partner, Malcolm Pirnie Engrs., 25 W. 43rd St., New York 18, N.Y. (July '37) *MPR*

Hazey, George, Chief Operator, Water Filtration Plant, 2555 Van Alstyne Ave., Wyandotte, Mich. (July '41) *P*

Hazlip, Samuel W., Supervising Chemist, Water Purif. Plant, Box 871, Houma, La. (July '46) *MPR*

Heacox, Roland E., Engr., Barker & Wheeler, 36 State St., Albany, N.Y. (July '46) *MPR*

Healdsburg, City of, Water Supt., City Hall, Healdsburg, Calif. (Corp. M. Oct. '37)

Healy, Peter M., *see* Oswego Dept. of Water

Hearne, Paul W., Chief Chemist, W. D. Johnson Chemical Labs., Inc., 3605 Elm Ave., Long Beach 7, Calif. (Jan. '47)

Heasley, R. G., Chemist, Water Plant, 630 S.W. 11th Court, Ft. Lauderdale, Fla. (Apr. '47)

Heath, A. E., Supt. of Distr., City Water Dept., Box 958, Billings, Mont. (Apr. '40)

Heath, J. Ray, Pres., General Eng. Co., Inc., 725 Central Bldg., Seattle 4, Wash. (July '47)

Heaton, Gerald L., Mechanic & Chief Operator, Water Softening Plant, 509 Virginia Ave., Troy, Ohio (Apr. '44) *M*

Hebbler, O. L., Supt., Munic. Utilities, Higginsville, Mo. (Apr. '44) *MP*

Hebbronville Utilities, Inc., C. H. Huff, Mgr., Hebbronville, Tex. (Corp. M. July '46)

Hebior, Charles, Supt., Filtration & Pumping Station, North Chicago, Ill. (July '42) *MP*

Hechmer, Carl A., Dept. Engr., Maint. & Operation Dept., Washington Suburban San. Dist., 4017 Hamilton St., Hyattsville, Md. (Nov. '19) *Fuller Award '40. Director '48–'51. MP*

Heck, Charles D., Chief Clerk, Water Div., City Hall, Columbus 15, Ohio (Oct. '47)

Heck, Robert L., Supt., Munic. Filter Plant, Pittsburg, Calif. (Oct. '37) *MP*

Hecker, Burl G., Secy.-Mgr., Pekin Water Works Co., 417 Court St., Pekin, Ill. (Jan. '48)

Heddell, Douglas, 929 Shevlin Drive, El Cerrito, Calif. (Oct. '33)

Hedgepeth, L. L., Exec. Secy., Virginia Water Control Board, 815 E. Franklin St., Richmond 19, Va. (Aug. '29) *Fuller Award '44. PR*

Hee, Wah Ching, Civ. Engr., Board of Water Supply, Box 3410, Honolulu 1, Hawaii (Jan. '47) *M*

Heeney, Carden Thomas, Engr., Purif. & Pumping Div., Water Works Dept., Ottawa, Ont. (Jan. '48)

Heffelfinger, Donald D., Engr.-Supt., City Water Works, 230 S. Lincoln, Alliance, Ohio (July '41)

Heffelman, M. C., *see* New Mexico Public Service Co.

Hefty, M. R., Civ. Engr., Board of Water Supply, Box 3410, Honolulu 1, Hawaii (Apr. '47)

Heider, Robert W., Asst. Director, Div. of San. Eng., State Board of Health, 1098 W. Michigan St., Indianapolis 7, Ind. (July '37) *PR*

Heine, Francis A., Chief Engr., Bureau of Water, City Hall, Reading, Pa. (June '31) *MP*

Heiney, Harold M., Asst. Supt., Pinellas County Water System, 5420—86th St., N., St. Petersburg, Fla. (July '48)

Heiney, J. W., Div. Mgr., Water Utilities Service Corp., 1 Morgan Ave., Palmyra, N.J. (Oct. '46)

Heintz, Joseph J., Jr., Cons. Engr., 14 Landers Lane, Swanwyck, New Castle, Del. (July '47)

Heiss, Edward A., Director, Food Operations, Wallace & Tiernan Co., Inc., 3630 E. Colorado Blvd., East Pasadena, Calif. (Oct. '42) *MP*

Heizer, Edgar F., Chicago Dist. Mgr., Industrial Chemical Div., American Cyanamid Co., Chicago 6, Ill. (Jan. '46)

Helbig, W. A., Chem. Engr., Darco Corp., Sales Div., 60 E. 42nd St., New York 17, N.Y. (Feb. '30) *P*

Held, Wilmer O., City Supt., City Hall, South Milwaukee, Wis. (Jan. '47)

Helena Water Dept., J. R. Wine Jr., Mayor, Civic Center, Helena, Mont. (Corp. M. Jan. '37)

Helgeson, Harry G., Chief City Chemist, 220 W. Mure St., Alpena, Mich. (Apr. '46) *P*

Helland, H. R. F., Cons. Engr., 302 Frost Bank Bldg., San Antonio 5, Tex. (Jan. '35) *P*

Heller, Austin, Research Assoc. in San. Chemistry & Biology, Civ. Eng. Dept., New York Univ., University Heights, New York 53, N.Y. (Jan. '43) *MP*

Heller, Jesse E., Assoc. Civ. Engr., Humble Oil & Refining Co., 1405 Canal Bldg., New Orleans, La. (Jr. M. July '48)

Heller, William, Meter Repairman, Board of Water Supply, 50 MacQuestion Pkwy., N., Mt. Vernon, N.Y. (Oct. '44)

Hellstrom, Carl I., Supt., Water & Light Dept., Geneva, Ill. (Mar. '33)

Hellyer, Charles M., Salesman, H. N. Richards Co., 1203 E. State St., Trenton 9, N.J. (Jan. '45) *P*

Helmreich, L. W., Pres. & Mgr., Capital City Water Co., Box 806, Jefferson City, Mo. (Feb. '27) *M*

Helton, Glenn, Water Works Dept., Gravette, Ark. (Apr. '48)

Helwick, Charles H., Supt., Water Dept., Utilities Bldg., Jacksonville 2, Fla. (Jan. '40) *MPR*

Hemborg, Harold B., Water Works Engr., Bureau of Water Works & Supply, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Jan. '41)

Hemborg, R. E., 2025 Canfield Ave., Los Angeles 34, Calif. (Apr. '37) *M*

Hempstead, Inc. Village of, Leslie S. Marshall, Village Engr., Munic. Water Plant, 318 Fulton Ave., Hempstead, N.Y. (Mun. Sv. Sub. Jan. '40)

Henderlite, James H., Sales Engr., Wallace & Tiernan Co., Inc., 513 S. Tryon St., Charlotte 2, N.C. (Jan. '36) *P*

Henderson, Andrew, Supt., Water Com., Grimsby, Ont. (Apr. '46)

Henderson, Angus D., Civ. Engr., New York City Dept. of Water Supply, Gas & Elec., Atlantic Ave. & Logan St., Brooklyn, N.Y. (Jan. '37) *MPR*

Henderson, Charles T., Chief San. Inspector, Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Oct. '44)

Henderson, John Wagner, Elec. Engr., Washington Suburban San. Com., 4017 Hamilton St., Hyattsville, Md. (Jan. '48) *P*

Henderson, Kermit Sloan, Supervisor, Print Works Filter Plant, Greensboro, N.C. (Oct. '46) *MP*

Henderson, Lynn B., Mgr., Beecher Metropolitan Water Dept., 1049 Louis Ave., Flint 5, Mich. (July '48)

Henderson, M. E., *see* Bozeman, City of

Henderson, Paul C., U.S. Public Health Service, 1152 U.S. Appraisers Bldg., San Francisco, Calif. (Apr. '46)

Henderson, Richard R., Supt. of Purif., Div. of Water, Erie & Orange Sts., Toledo 2, Ohio (July '48)

Henderson, Stuart P., Supt. of Water, Prescott, Ariz. (July '48)

Henderson Water Works, Henry T. Powell, Mgr., 108 Young St., Henderson, N.C. (Corp. M. Jan. '42)

Hendon, Harry H., Member of Firm, Polk, Powell & Hendon, 620 Chamber of Commerce Bldg., Birmingham 3, Ala. (Apr. '46)

Hendricks, Gerald F., Asst. San. Engr., Southeastern Branch Office, State Board of Health, 604 Franklin St., Columbus, Ind. (Jan. '46)

Hendricks, R. W., Engr., Hydr. Dept., Underwriters Labs., Inc., 207 E. Ohio St., Chicago 11, Ill. (Apr. '23) *MR*

Hendrickson, George L., 23 Bonvue St., Pittsburgh 14, Pa. (Mar. '31) *MP*

Hendrickson, Valborg (Mrs.), *see* Anheuser-Busch, Inc.

Hendrickson, William A., *see* Ellis & Ford Mfg. Co.

Hendrie & Bolthoff Mfg. & Supply Co., Leon T. Jones, 1635—17th St., Denver 17, Colo. (Assoc. M. Mar. '26)

Hendrix, D. A., Local Mgr., California Water Service Co., Box 502, Chico, Calif. (Oct. '39) *M*

Hendrix, Thomas L., Jr., 3125 Hanover Ave., Richmond, Va. (Apr. '40)

Henen, Ed, Henen Eng. Co., 2822—1st Ave., S., Great Falls, Mont. (Apr. '48)

Hengen, Fred J., Comr. of Water, City Bldg., Youngstown, Ohio (July '48)

Henke, Roland, Supt., Water Works, 7300 Blanchard St., Wauwatosa 13, Wis. (Jan. '35) *M*

Henley, Charles P., Dist. Engr., Wallace & Tiernan Co., Inc., 1112 Liberty Bank Bldg., Dallas, Tex. (Jan. '46) *PR*

Henley, M. E., Box 63, Station E, Atlanta, Ga. (July '39)

Hennessy, D. J., Exec. Vice-Pres., Jamaica Water Supply Co., 161-20—89th Ave., Jamaica 1, N.Y. (Jan. '48) *M*

Hennessy, John I., Mgr. of Public Relations, East Bay Munic. Utility Dist., 512—16th St., Oakland 4, Calif. (July '47)

Henniger, J. P., *see* Smith Falls Water Com.

Henning, Edwin C., Pres., Board of Trustees, Water Works Dept., City Bldg., Evansville 9, Ind. (Jan. '43)

Henning, H. Clay, Engr. in Charge, Operating Sec., St. Louis Water Div., 1640 S. Kingshighway Blvd., St. Louis 10, Mo. (Feb. '30) *M*

Hennings, John P., Treas. & Supt., Shenango Valley Water Co., Sharon, Pa. (Oct. '41) *M*

Hennon, John R., Water Supt., Port Neches, Tex. (Apr. '44) *MP*

Henry, Clarence R., Chief Chemist, Dept. of Water & Sewers, Miami, Fla. (Apr. '40)

Henry, Joseph R., Water Supt., Grade III, Water Supply Dist. No. 1, 19 E. Ann St., White Plains, N.Y. (Apr. '47)

Henry, L. A., Cons. Engr., 1018 Pyramid Bldg., Little Rock, Ark. (Oct. '45) *P*

Henry, Thomas B., Partner, Jones & Henry, Cons. Engrs., 821 Security Bldg., Toledo 4, Ohio (Jan. '39) *MPR*

Henry, W. Weir, *see* Revere Copper & Brass, Inc.

Hensel, Eugene Clarence, Dist. No. 4 San. Engr., State Board of Health, City Hall, Sparta, Wis. (July '44) *P*

Henson, Frederick John, Prin. Engr., 5128 Loughboro Rd., N.W., Washington 16, D.C. (Oct. '43)

Henson, James O., Jr., Civ. Engr., Patchen & Zimmerman, Daniel Field Airport, Augusta, Ga. (Jan. '48)

Hepler, John M., Director, Bureau of Eng., State Dept. of Health, Lansing 4, Mich. (Oct. '43) *P*

Heppenstall, Thomas Arthur, 45 Derby Rd., Beeston, Nottingham, England (Apr. '46)

Herberger, Arthur H., *see* Nassau County Dept. of Health

Herda, Nicholas, Supt. of Utilities, Ypsilanti Township, c/o Kaiser Frazer Corp., Willow Run, Mich. (July '46) *MPR*

Heres Gonzalez, Alfredo, Civ. & San. Engr., 21 Monserrate St., Santurce, Puerto Rico (Jr. M. Jan. '46)

Herkenhoff, Gordon E., Cons. Engr., Herkenhoff & Turney, 15 Plaza Bldg., Santa Fe, N.M. (July '47)

Hernandez, Alberto, Box 92, Guaynabo, Puerto Rico (Oct. '42)

Hernandez, Donald, San. Engr., Marianas Bonins Command, Surgeon's Office, MARBO, APO 246, San Francisco, Calif. (Jan. '48) *P*

Herndon, L. Kermit, Prof. of Chem. Eng., Ohio State Univ., Columbus 10, Ohio (Jan. '44) *P*

Herndon, Lee R., *see* North American Rayon Corp.

Herr, Harry N., Chief Civ. Engr., Hershey Estates, 213 W. Chocolate Ave., Hershey, Pa. (Oct. '44) *MPR*

Herr, J. O., Mgr., Monmouth Cons. Water Co., Long Branch, N.J. (June '16) *M*

Herrmann, A. J., Branch Mgr., American Cast Iron Pipe Co., 916 Walnut St., Kansas City 6, Mo. (July '44)

Herrmann, Frank, Office Engr. & Designer, Water Dept., 1913 N.W. 21st St., Oklahoma City 6, Okla. (Apr. '42) *MP*

Herron, William L., Sales Engr., Worthington-Gamon Meter Co., Box 88, Oswego, N.Y. (Oct. '37) *M*

Herschler, Louis H., Engr., Board of Water Supply, Box 3410, Honolulu 1, Hawaii (Oct. '46) *MPR*

Hersey Mfg. Co., William C. Sherwood, Secy., E. & 2nd Sts., South Boston 27, Mass. (Assoc. M. July '87)

Hersey, T. C., Sales Mgr., E. W. Bacharach, Inc., Rialto Bldg., Kansas City, Mo. (Apr. '46) *P*

Hersey, T. Schuyler, Pres., Hersey Inspection Bureau, 3405 Piedmont Ave., Oakland 11, Calif. (Jan. '40) *MP*

Hershey, H. G., *see* Iowa Geological Survey

Hess, Irving C., Div. Engr., California Water & Telephone Co., Box I, National City, Calif. (Jan. '41)

Hess, John S., Chief Engr. of Refineries, Sinclair Refining Co., 630—5th Ave., New York 20, N.Y. (Oct. '42)

Hess, Miles E., *see* National Nu Grape Co.

Hess, Robert H., Supt. & Chemist, Div. of Water Supply, 205 City Bldg., Wichita 2, Kan. (Jan. '45) *PR*

Hester, Clay M., Engr., Armco-Hardesty, Box 1711, Santa Fe, N.M. (Oct. '46)
Hester, R. W., *see* Community Public Service Co. [Ft. Worth]
Hetzer, Hugh W., Real Estate & Right of Way Engr., Eng. Dept., West Virginia Water Service Co., 814 Peoples Bldg., Charleston 5, W.Va. (July '35) *M*
Hetzer, Mentor, R.D. No. 1, Moundsville, W.Va. (Nov. '16) *Director '39–'40. Fuller Award '43.*
Heubi, Thomas B., Supt., Water Works, 45 Washington Ave., Fredonia, N.Y. (Apr. '30)
Heuser, Karl F., Supt. of Water, Matawan Boro, Church St., Matawan, N.J. (July '43) *M*
Hewitt, D. S., Supt., Water & Light Plant, Knightstown, Ind. (Apr. '44) *P*
Heyward, Nathaniel J., 4026 Fairfax Rd., Baltimore 16, Md. (July '45) *P*
Heyward, T. C., Mech. & Elec. Engr., 1408 Independence Bldg., Charlotte 2, N.C. (June '23)
Heyward, T. C., Jr., Dist. Engr., 1408 Independence Bldg., Charlotte, N.C. (July '46) *P*
Hibbing Water, Light, Power & Building Com., A. H. Hansen, Supt. & Chief Engr., Hibbing, Minn. (Corp. M. July '34)
Hibbs, A. S., Mgr., Munic. Water Works Dept., 36 W. 2nd St., Chillicothe, Ohio (Sept. '22) *M*
Hickey, Fred, Supt., Water Works, 1316 Madison Ave., Piqua, Ohio (July '44) *P*
Hicklin, Robert G., Mgr., Munic. Dept., Robert & Co., Inc., 706 Bona-Allen Bldg., Atlanta 3, Ga. (Apr. '29) *P*
Hickok, Sidney J., Water Supt., Town of Bedford, Bedford Hills, N.Y. (Oct. '43) *M*
Hickory, City of, R. E. Smyre, Hickory, N.C. (Corp. M. Nov. '33)
Hickox, R. M., Water Supt., Water Shop, Wenatchee, Wash. (Apr. '38)
Hicks, Arthur Sidney, Cons. Water Works Engr., Dresser Mfg. Div., Bradford, Pa. (Jan. '47) *R*
Hicks, H. Kimble, Sales Engr., Dravo Corp., Broad St. Station Bldg., Philadelphia 3, Pa. (Apr. '46) *MR*
Hicks, Harold J., *see* Palm Springs Water Co.
Hicks, J. M., Supt., La Canada Irrigation Dist., Box 37, La Canada, Los Angeles County, Calif. (Jan. '44) *M*
Hicks, Walter Francis, City Engr. & Supt., Water Works, Paris, Tex. (Jan. '35) *M*
Hicksville Water Dist., Frederick R. Davidson, Supt., 85 Bethpage Rd., Hicksville, N.Y. (Corp. M. Oct. '34) *MR*
Higburg, William, *see* Reilly Tar & Chemical Corp.
Higgins, Frank T., Asst. Engr., Water Dept., 403 Municipal Utilities Bldg., 215 W. Broadway, Long Beach 2, Calif. (Oct. '44) *MP*
Higgins, George F., Vice-Pres., Higgins, Inc., Box 2509, Sarasota, Fla. (Jan. '48) *MR*
Higgins, Roger C., Chemist, Riverview Filter Plant, Water Dept., Board of Public Works, Hannibal, Mo. (Jan. '37) *P*
Higgins, Waldo W., Chief Engr., A. O. Smith Corp., Kankakee, Ill. (Jan. '47) *PR*
Highberg, Ray, Mgr. & Owner, Culligan Soft Water Service, 537 Main St., La-Crosse, Wis. (Jan. '48)
Highfill, J. J. Jimmy, Supt., Water & Sewage, Water Dept., City Hall, Springdale, Ark. (Oct. '46) *MP*
Highland, Scotland G., Secy.-Treas., Gen. Mgr. & Sr. Engr., Water Board, Clarksburg, W.Va. (Feb. '13) *MPR*
Hileman, Harry L., Mgr., The Cairo Water Co., 618 Commercial Ave., Cairo, Ill. (Jan. '40) *M*
Hill, Alfred H., Vice-Pres., Francis Hankin & Co., Ltd., 2028 Union Ave., Montreal, Que. (Feb. '33) *MP*
Hill, C. A., *see* Mueller Brass Co.
Hill, D. A., *see* Waterford Public Utilities Com.
Hill, F. G., *see* Singapore, Municipality of
Hill, Frank C., Acting Chief, Dept. of Public Works, Grand Junction, Colo. (Jan. '37)
Hill, H. O., *see* Bethlehem Steel Co.
Hill, Harold H., Engr., State Dept. of Health, 278 Northridge Rd., Columbus 2, Ohio (Apr. '44) *P*
Hill, Hubbell & Co. Div., General Paint Corp., Milton M. Bowen, Vice-Pres., 3091 Mayfield Rd., Cleveland 18, Ohio (Assoc. M. Jan. '38)
Hill, John L., Chief Water Works Engr., F.C.A.B., Antofagasta, Chile (Oct. '47)
Hill, John L., Jr. Engr., Jones & Henry, 2013 Strathmoor Ave., Toledo 9, Ohio (Jan. '48)
Hill, Kenneth V., Partner, Greeley & Hansen, 220 S. State St., Chicago 4, Ill. (Jan. '37) *PR*
Hill, Milton T., *see* Yonkers Dept. of Public Health
Hill, Norman H., Supt., Public Utilities Com., Essex, Ont. (Jan. '48)
Hill, Raymond A., Cons. Civ. Engr., 1000 Edison Bldg., 601 W. 5th St., Los Angeles 13, Calif. (Feb. '32) *R*
Hill, W. R., Cons. Civ. Engr., Parker & Hill, 2021 Smith Tower, Seattle 4, Wash. (Apr. '39)
Hill, Wesley R., Dist. Mgr., Petaluma Dist., California Water Service Co., 132 Main St., Box 949, Petaluma, Calif. (July '46)

Hiller, Ralph, Owner & Mgr., Hurley Water Co., Hurley, N.Y. (July '44) *MP*

Hillsboro Utilities Com., Richard E. Wiley, Supt., City Hall, Hillsboro, Ore. (Corp. M. Jan. '42)

Hillsboro Water Dept., M. P. Lloyd, Supt., Box 386, Hillsboro, N.C. (Corp. M. Oct. '42)

Hillsborough Water Dept., E. P. Wilsey, City Mgr., 705 El Camino Real, Burlingame, Calif. (Corp. M. Apr. '39) *M*

Hilton, Joe, Member, Board of Water Comrs., Pres., City Council, City Hall, Bellingham, Wash. (Jan. '48) *M*

Hime, John, Supt. of Utilities, City Hall, Augusta, Kan. (Oct. '46)

Hinchliffe, John V., 5 Colt St., Paterson, N.J. (Jan. '48)

Hinckley, Horace P., Gen. Mgr., Bear Valley Mutual Water Co., Box 387, Redlands, Calif. (Jan. '48)

Hinds, Julian, Gen. Mgr. & Chief Engr., Metropolitan Water Dist., 306 W. 3rd St., Los Angeles 13, Calif. (May '31)

Hinds, Vern, Supt., Water Works, Clear Lake, Iowa (Apr. '47)

Hines, Harold K., Mgr., Elec. & Water Plant Board, Frankfort, Ky. (July '45)

Hines, Hugh, Distr. Foreman, Water Dept., 918 E. 13th St., Lawrence, Kan. (Apr. '47)

Hines, Paul L., Service Engr. & Sales Repr., Mueller Co., 602 N. 35th St., Fort Smith, Ark. (Jan. '43)

Hinkamp, Grant M., *see* Allis-Chalmers Mfg. Co.

Hinkle, Stacy C., Asst. Mgr., Mine & Smelter Supply Co., Denver, Colo. (July '40)

Hinman, Jack J., Jr., Lt.Col., Headquarters 8th Army, Engr. Sec., APO 343, c/o Postmaster, San Francisco, Calif. (Apr. '15) *Trustee '19–'21. Vice-Pres. '29. President '30. Director '31. MPR*

Hinmon, Don L., Mgr., Transite Pipe Dept., Johns-Manville Sales Corp., 816 W. 5th St., Los Angeles, Calif. (Jan. '46)

Hinton, L. E., Service & Sales Repr., 1120 Scott St., Little Rock, Ark. (Apr. '43)

Hinton, Thomas E., *see* Weimar, City of

Hintz, Albert E., Mgr., Water Dept., 8 City Hall Bldg., Oshkosh, Wis. (Apr. '30) *MPR*

Hird, Harold H., Chief Operator, Filtration Plant, Water Dept., 1142 Connecticut St., Lawrence, Kan. (Apr. '47)

Hirn, William C., San. Engr., Co-Partner, Pate & Hirn, Cons. Munic. Engrs., 532 Michigan Bldg., Detroit 26, Mich.

Hirsch, A. Adler, Instructor in Water & Sewerage, Div. of Trade & Indus. Education, State Dept. of Education, Baton Rouge, La. (Apr. '41) *P*

Hirst, Charles D., *see* Challenger Mfg. Co.

Hiskey, D. R., Chem. Engr., Dearborn Chemical Co., 807 Mateo St., Los Angeles 21, Calif. (Apr. '42) *P*

Hitchcock, George Marshall, Water Supt., City Hall, Cumberland, Md. (Jan. '48)

Hitchings, Allen, Professional Engr., Gardner, Gardner & Hitchings, 703 Arctic Bldg., Seattle 4, Wash. (Apr. '44)

Hitzeroth, Harry, *see* Tavistock Public Utilities Com.

Hoad, William Christian, Prof. Emeritus of Civ. Eng., Dept. of Civ. Eng., College of Eng., Univ. of Michigan, Ann Arbor, Mich. (June '13) *P*

Hoag, Francis M., City Mgr., Manchester, Iowa (July '47) *M*

Hoag, George F., Engr., Suburban Div., New York Fire Insurance Rating Organization, 85 John St., New York 7, N.Y. (June '20) *MR*

Hoak, Richard D., Sr. Fellow, Mellon Inst., Pittsburgh 13, Pa. (Jan. '37) *P*

Hobson, Fred C., Civ. Engr., Spruce Pine, N.C. (Apr. '47)

Hobson, J. Reid A., Jr., Chief Engr., Eng. Dept., Jamaica Water Supply Co., 161–20—89th Ave., Jamaica, N.Y. (Jan. '48) *MP*

Hochlerner, Tobias, Member, Board of Consultants, Board of Water Supply, 120 Wall St., New York, N.Y. (May '30)

Hodge, James E., Chief Chemist, The Rathbun Co., Box 6056, Houston, Tex. (Jan. '48) *P*

Hodge, Willard W., Sr. Fellow, Mellon Inst. of Indus. Research, 4400—5th Ave., Pittsburgh 13, Pa. (Jan. '30) *P*

Hodges, S. M., Purif. Engr., Water Dept., Route 2, Box 320, Norfolk, Va. (Oct. '43) *P*

Hodgson, E. A., *see* Ridgetown Public Utilities Com.

Hodgson, J. L., Southern Repr., A. P. Smith Mfg. Co., 1221 Mortgage Guarantee Bldg., Atlanta 3, Ga. (Apr. '44)

Hodgson, John W., Sr., Pres. & Gen. Mgr., East Jefferson Water Works No. 1, Box 10007, New Orleans 20, La. (Oct. '42) *MP*

Hodkinson, Thomas, 382 Wortley Rd., London, Ont. (Apr. '13) *MP*

Hoefer, Harrison B., Chief Engr. of Power Plants, Water Works, 2743 N. 59th St., Milwaukee 10, Wis. (Jan. '45)

Hoefer, Paul, Shop Foreman, Southwestern Public Service Co., 411 Roosevelt, Borger, Tex. (Oct. '47)

Hoefle, K. F., Supt., Water Works, 108 City Hall, Dallas 1, Tex. (Apr. '40) *MPR*

Hoeltzner, Nicholas J., *see* Rock Island Water Dept.

Hoeren, Fred A., Secy. to the Chief Engr., North Jersey Dist. Water Supply Com., Wanaque, N.J. (Oct. '45) *MR*

Hoey, Alexander C., Supt., Township of Nepean Water & Sewers Dept., 345 Richmond Rd., Ottawa, Ont. (Apr. '44) *M*

Hoffer, H. A., Asst. Gen. Sales Mgr., U.S. Pipe & Foundry Co., Gen. Office, Burlington, N.J. (May '30) *M*

Hoffman, Frank A., Supt., Water Dist., Maplewood, Ore. (July '34)

Hoffman, Howard F., Jr. San. Engr., Div. of Sanitation, State Dept. of Health, Albany, N.Y. (Jan. '45) *MPR*

Hoffman, L. J., Office Mgr., Water Div., Bureau of Water & Sewerage, 100 Municipal Bldg., Akron 8, Ohio (Apr. '39) *Fuller Award '47. M*

Hoffman, M. F., Consultant, 8 Lenox Lane, Cincinnati 29, Ohio (Oct. '34) *Fuller Award '41.*

Hofmann, George H., Salesman, Mueller Co., 2417 Nottingham, Houston, Tex. (July '43)

Hoganson, Lester O., City Engr., Burlington, Wis. (Jan. '47) *MPR*

Holaday, K. M., Admin. Engr., Anheuser-Busch, Inc., 721 Pestalozzi St., St. Louis 18, Mo. (Jan. '40) *P*

Holden, E. G., San. Engr., 800 Eudora St., Denver, Colo. (Jan. '47)

Holden, J. C., Chief Power Engr., North Carolina Finishing Co., Salisbury, N.C. (Oct. '45) *P*

Holder, H. C., Trustee, Water Works, 35 N. Main St., Council Bluffs, Iowa (Jan. '46)

Holdren, Donald D., Civ. Engr., Clyde E. Williams & Assoc., 312 W. Colfax Ave., South Bend, Ind. (Apr. '47)

Holdren, O. A., Holdren Construction Co., Box 417, Mt. Vernon, Ill. (Apr. '48)

Holland Board of Public Works, Millard C. Westrate, Asst. Supt., City Hall, Holland, Mich. (Corp. M. Jan. '46)

Holland Water Dist. No. 1, Clair D. Tanner, Supt. of Water, Holland, N.Y. (Corp. M. Apr. '37)

Holland, Paul L., Chief Engr., Public Service Com. of Maryland, 1701 Munsey Bldg., Baltimore 2, Md. (Mar. '32) *M*

Hollander, Harry, Div. Engr., Div. of Investigation & Design, Bureau of Water Supply, New York City Dept. of Water Supply, Gas & Elec., Municipal Bldg., New York 7, N.Y. (May '30) *MPR*

Hollberg, H. E., *see* Proportioneers, Inc.

Hollies, Robert T., Asst. Water Works Engr., Water Dept., Utility Bldg., Calgary, Alta. (Jan. '46) *MP*

Hollinsworth, Morris F., Mgr., Light & Water Dept., Lafayette, Ala. (Apr. '43)

Holloway, Arthur H., Ciaxa Postal 438, Vitoria, Espirito Santo, Brazil (Oct. '46)

Holloway, E. L., *see* Flint Water Dept.

Holloway, Harvey M., Supt., City Water Dept., Dothan, Ala. (Jan. '48) *P*

Hollowell, A. Cooley, Dist. Mgr., Badger Meter Mfg. Co., 827 Tauromes Ave., Kansas City 9, Kan. (Jan. '47) *M*

Holman, E. T., Supt., Eng. Dept., Tennessee Inspection Bureau, 1034 Stahlman Bldg., Nashville 3, Tenn. (Jan. '24)

Holmes, Joseph A., Asst. Vice-Pres., National Aluminate Corp., 6216 W. 66th Pl., Chicago 38, Ill. (May '26) *P*

Holmgren, Richard S., Asst. Chief Engr., San Diego County Water Authority, 314 Union Bldg., San Diego 1, Calif. (July '47) *M*

Holmquist, C. A., 14 Danker Ave., Albany 3, N.Y. (Apr. '23)

Holroyd, Normand S., Partner, Keis & Holroyd, Cons. Engrs., 257 Broadway, Troy, N.Y. (July '41)

Holsworth, Arthur William, Supt., Water Dept., 314 W., Box 294, Hollister, Calif. (Apr. '47) *MPR*

Holton, Philip J., Jr., *see* Providence Water Supply Board

Holway, W. R., Cons. Hydr. Engr., 302 E. 18th St., Tulsa 5, Okla. (Feb. '25) *P*

Holy, William E., Oficinia Sanitaria Pan American, 117–205 Plaza San Martin, Lima, Peru (July '34)

Holzmacher, Henry G., Civ. Engr., 66 W. Marie St., Hicksville, N.Y. (Jan. '47)

Homak, Peter, 547 Hunter Ave., Scotch Plains, N.J. (Jan. '48)

Homan, Harold, *see* Salem Water Dept. [N.J.]

Home Water Dist., (Miss) E. Jensen, Asst. Secy., 7840 S.W. Capitol Highway, Portland 19, Ore. (Corp. M. Apr. '39)

Homelite Corp., Nelson Thompson, Vice-Pres., Riverdale Ave., Port Chester, N.Y. (Assoc. M. Apr. '36)

Hommon, Harry B., 6407 Regent St., Oakland 9, Calif. (July '21)

Honolulu Board of Water Supply, Frederick Ohrt, Mgr. & Chief Engr., City & County of Honolulu, Box 3410, Honolulu 1, Hawaii (Corp. M. Nov. '30) *MPR*

Hood, E. J., 1001 Booth St., Houston 9, Tex. (Jan. '44) *MP*

Hooker, Albert H., Western Sales Mgr., Hooker Electrochemical Co., Tacoma 1, Wash. (July '30) *P*

Hooker Electrochemical Co., John S. Coey, Niagara Falls, N.Y. (Assoc. M. July '20)

Hoop, Lance H., Gen Mgr., Western Filter Co., Stockyards Station, Denver 16, Colo. (Jan. '44) *P*

Hooper, A. J., *see* Maintenance Eng. Corp.

Hooper, Harold R., Engr. of Distr., Water Works Dept., 48 Rideau St., Ottawa, Ont. (Jan. '48) *MR*

Hooper, William E., Gen. Mgr., Power & Water Dept., Sheffield, Ala. (Jan. '47) *M*

Hoover, Charles P., Chief Chemist, Div. of Water, Columbus 8, Ohio (May '13) *Fuller Award '43. P*

Hoover, Clarence B., Gen. Supt., Div. of Water, City Hall, Columbus, Ohio (Apr. '23)

Hoover, Gordon R., Supt., Munic. Water Dept., Centralia, Wash. (July '48)

Hoover, Ira M., Supt. of Utilities, Munic. Utilities, Montpelier, Ohio (Apr. '39) *MP*

Hoover, John C., Utility Supt., Utility Dept., Mesa, Ariz. (Jan. '48)

Hope, Malcolm C., San. Engr., Office of Hospital Services, Div. of Hospital Facilities, U.S. Public Health Service, Washington 25, D.C. (Jan. '45) *P*

Hopkins, David W., *see* R-S Products Corp.

Hopkins, Edward S., Assoc. Engr., Bureau of Water Supply, 3901 Hillen Rd., Baltimore 18, Md. (June '21) *MPR*

Hopkins, Edwin W., Asst. Hydr. Engr., State Public Service Com., 14 Proctor Blvd., Utica, N.Y. (Aug. '25) *M*

Hopkins, O. C., Sr. San. Engr., U.S. Public Health Service, 900 N. Lombardy St., Richmond 20, Va. (Jan. '37) *PR*

Hopkins, W. Howard, Field Repr., Reconstruction Finance Corp., 202 Fenley Ave., Louisville, Ky. (Jan. '40)

Hoppe, T. C., Staff Water Treatment Engr., Kimberly-Clark Corp., Eng. Dept., Neenah, Wis. (July '45) *P*

Hopper, Allen O., Mgr., Contracting Dept., Turbine Equipment Co., 75 West St., New York 6, N.Y. (Apr. '37)

Hopper, Samuel H., Assoc. Prof. of Public Health, Dept. of Public Health, Indiana Univ. School of Medicine, 1040 W. Michigan St., Indianapolis 7, Ind. (Oct. '43) *P*

Horandt, Henry, Asst. Pacific Coast Mgr., Neptune Meter Co., 701 E. 3rd St., Los Angeles 13, Calif. (June '29) *M*

Hord, C. E., Mgr., Northern Illinois Water Corp., 120 N. Park St., Streator, Ill. (Jan. '43) *MPR*

Horlacher, George A., H. R. Bowers Co., 1060 Leader Bldg., Cleveland 14, Ohio (Jan. '43) *PR*

Horn, A. John, Gannett Fleming Corddry & Carpenter, 600 N. 2nd St., Harrisburg, Pa. (July '39)

Horn, Clarence E., Supt. of Filtration, Water Dept., Marysville, Mich. (July '48)

Horn, H. H., *see* Miami Beach Water Dept.

Horn, Theodore C., 26—19th St., Huntington Station, N.Y. (Oct. '46)

Horne, Ralph W., Partner, Fay, Spofford & Thorndike, Cons. Engrs., 11 Beacon St., Boston 8, Mass. (May '28) *M*

Horner, Charles M., 1705 State St., East St. Louis, Ill. (June '03)

Horner, Edwin O., Div. Mgr., Munic. Management Co., W. End of Walnut St. Bridge, Lemoyne, Pa. (May '30) *M*

Horner, J. L., City Mgr., Carthage, Tex. (Oct. '39) *M*

Horner, Richard H., *see* Dixon, Joseph, Crucible Co.

Horning, William A., Mgr., Elec. Light & Water Works, Superior, Mont. (Affil. Jan. '47)

Hornshaw, James E., Assoc. Civ. Engr., Dept. of Water Supply, 3451 Orleans St., Detroit 7, Mich. (July '38) *M*

Horsington, Earl, Supt. of Water, Skaneateles, N.Y. (July '35)

Horstmann, F. B., c/o Dearborn Chemical Co., 807–15 Mateo St., Los Angeles 21, Calif. (June '27) *P*

Horton, Horace B., *see* Chicago Bridge & Iron Co.

Horton, Theodore, Sandwich, Cape Cod, Mass. (July '07)

Hosegood, Leslie A., Engr. & Asst. Supt., Munic. Water Dept., 195 D Street, San Bernardino, Calif. (Oct. '43) *M*

Hoshall, Robert H., Partner, Allen & Hoshall, Cons. Engrs., 65 McCall Pl., Memphis 3, Tenn. (Apr. '37)

Hoskin, Douglas G., 92 Ridge Hill Drive, Toronto, Ont. (Jr. M. Jan. '48) *MP*

Hoskins, Harold P., Cons. Engr., Harold Hoskins & Assoc., Inc., 231 N. 11th St., Lincoln, Neb. (July '48)

Hoskins, J. K., 6318 Woodside Pl., Chevy Chase 15, Md. (July '35) *P*

Hoskinson, Carl M., Supt. & Chief Engr., Div. of Water & Sewers, 1140—43rd St., Sacramento 16, Calif. (June '28) *Fuller Award '43. Director '48–'51. MPR*

Hostettler, C. O., Chemist, Akron Water Purif. Plant, 128 E. Hall St., Kent, Ohio (Jan. '38) *P*

Hostrup, C. F., Staff Engr., Koebig & Koebig, Cons. Engrs., 543—9th St., Santa Monica, Calif. (Feb. '30) *PR*

Hotchkiss, Harry E., Purif. Mgr., Monmouth Cons. Water Co., Red Bank, N.J. (July '39) *P*

Hot Springs Munic. Water System, R. H. Teed, Gen. Mgr., Hot Springs National Park, Ark. (Corp. M. Mar. '20)

Hough, L. E., City Engr., Box 902, Aberdeen, Wash. (Apr. '48)

Hough, M. L., *see* Darling Valve & Mfg. Co.

Hougland, V. E., Supt., Water Dept., Box 536, Beloit, Kan. (Oct. '45) *MP*

Houlehin, A. L., Auditor, St. Louis County Water Co., 6600 Delmar Blvd., University City, Mo. (Apr. '46)

Houlton Water Co., J. N. Mullen, Supt., Houlton, Me. (Corp. M. July '43)

House, H. D., Repr., S. F. Bowser Co., Ltd., 28 Walbrooke Crescent, London, Ont. (July '47)

Housel, Frank B., City Mgr., City Hall, St. Louis, Mich. (July '43)

Houser, George C., Editor, New England Water Works Assn., 220 Clyde St., Brookline 67, Mass. (Nov. '25) *P*

Houston Utilities Dept., Frank N. Baldwin, Director, City Hall, Houston 2, Tex. (Corp. M. Sept. '34) *MR*

Houston, W. J., Assoc., W. D. Taulman & Assoc., 452 Spring St., N.W., Atlanta, Ga. (Jan. '40)

Houze, T. Y., Supt., Hercules Powder Co., Atlanta, Ga. (Jan. '44)

Hoveman, F. C., *see* United Filters & Engineering, Ltd.

Hovis, B. J., Supt., Water Treatment Plant, Belmont Processing Co., Belmont, N.C. (Nov. '29) *P*

Howard, C. M., Engr., Concrete Products Assn. of Washington, 416 Arctic Bldg., Seattle 4, Wash. (Apr. '43) *R*

Howard, Charles S., Box 2557, Fort Douglas, Salt Lake City, Utah (Jan. '43) *P*

Howard, Edwin M., Vice-Pres., Whitman & Howard, Inc., 89 Broad St., Boston, Mass. (Apr. '44) *P*

Howard, Norman J., Director of Water Purif., Filtration Plant, Queen St., E. & Nursewood Rd., Toronto, Ont. (June '20) *Director '34–'37, '41–'42. Vice-Pres. '40. President '41. Fuller Award '43. MP*

Howard, Paul F., Chief San. Engr., Whitman & Howard, Inc., Engrs., 89 Broad St., Boston, Mass. (Apr. '36) *MP*

Howard, Roscoe R., Supt., Munic. Utilities, Slater, Mo. (Oct. '46)

Howard Supply Co., Rae R. Ellis, Mgr., Water Works Dept., 5125 Santa Fe Ave., Los Angeles 11, Calif. (Assoc. M. Oct. '43)

Howe, B. V., Partner, Ripple & Howe, Cons. Engrs., 426 Cooper Bldg., Denver 2, Colo. (Apr. '30) *Fuller Award '40. PR*

Howe, Harvey S., Asst. Vice-Pres., Lock Joint Pipe Co., 150 Rutledge Ave., East Orange, N.J. (Jan. '39) *MPR*

Howe, John Parnell, Town Engr., Corp. of Town of Pembroke, Pembroke, Ont. (Mar. '28) *M*

Howell, Eugene M., Public Health Engr., San Joaquin Local Health Dist., Stockton, Calif. (Jan. '37) *MP*

Howell, Harold W., Field Engr., State Dept. of Conservation, 402 State Library Bldg., Indianapolis, Ind. (Apr. '47)

Howell, Robert I., Water Plant Supt., Water Works System, Laredo, Tex. (Jan. '47) *P*

Howell, W. Y., Trenton, Tenn. (Jan. '42)

Howland, E. Robert, The British Pitometer Co., Ltd., 105 Park St., London W.1, England (Apr. '14)

Howland, Warren E., Prof. of San. Eng., School of Civ. Eng., Purdue Univ., Lafayette, Ind. (Apr. '34) *P*

Howlett, George, *see* Petrolia Public Utilities Com.

Howson, Arthur W., Engr., Alvord, Burdick & Howson, 20 N. Wacker Drive, Chicago 6, Ill. (Jan. '47)

Howson, Joseph T., Sewage Plant Operator & Water Chemist, 116 Elm St., Westfield, N.Y. (July '43) *M*

Howson, Louis R., Partner, Alvord, Burdick & Howson, Engrs., 20 N. Wacker Drive, Chicago 6, Ill. (Apr. '16) *Trustee '28–'30. Vice-Pres. '41. President '42. Director '43. Fuller Award '43. Diven Medal '44. Goodell Prize '47.*

Hoy, J. R., Dist. Mgr., Wallace & Tiernan Co., Inc., 402 Hildebrandt Bldg., Jacksonville 2, Fla. (Feb. '30) *Fuller Award '43. P*

Hoy, Joseph A., Supervising Foreman, Water Dept., 18 E. Worcester St., Worcester 4, Mass. (May '22)

Hoyt, Earle S., Asst. Engr., San. Eng. Div., State Dept. of Health, Columbus 15, Ohio (May '30) *MP*

Hoyt, J. G., Jr., Sales Repr., Pittsburgh Equitable Meter Div., Rockwell Mfg. Co., Box 2126, Houston 1, Tex. (Jan. '46)

Hoyt, Richard M., Salesman, Solvay Sales Div., Allied Chemical & Dye Corp., 1216 Edgewood Ave., Jacksonville 5, Fla. (Oct. '46) *PR*

Hromada, Frank M., Filtration Plant Engr., U.S. Southwestern Reformatory, El Reno, Okla. (Jan. '40) *P*

Hu, C. T., c/o Prof. C. T. Wang, Aeronautical Eng. Dept., New York Univ., University Heights 53, N.Y. (Oct. '45)

Hubbard, E. C., Prin. San. Engr., State Board of Health, Raleigh, N.C. (Oct. '43) *P*

Hubbard, Edward, 12622 Woodgreen St., Venice, Calif. (Jan. '33) *M*

Hubbard, Robert L., Water Works & Drainage Contractor, 121 Browers Lane, Roslyn Heights, N.Y. (Apr. '46)

Hubbard, W. Hustace, Pres., Elizabethtown Water Co., Box 96, Elizabethtown, N.Y. (July '41)

Hubbell, George Edgar, Secy., Hubbell, Roth & Clark, Inc., Cons. Engrs., 2640 Buhl Bldg., Detroit 26, Mich. (Jan. '43) *MPR*

Hubbert, E. G., Water Supt., Omak, Wash. (Jan. '37)

Huber, Harold J., Supt., Public Works, Water Dept., 5214 Broadway, Lancaster, N.Y. (Oct. '42) *M*

Hubley, B. D., Mgr., Philadelphia Office, Hersey Mfg. Co., 5068 McKean Ave., Philadelphia 44, Pa. (Jan. '44)

Hudrlik, Otto L., Northwest Service Mgr., The Flox Co., 1132 N.W. Glisan St., Portland 9, Ore. (Jan. '44) *P*

Hudson, Herbert Edson, Jr., Head, Eng. Sub-div., State Water Survey Div., Dept. of Registration & Education, Box 232, Urbana, Ill. (May '33) *Fuller Award '42. PR*

Hudson, James F., *see* El Campo Water Dept.

Hudson, Leo, Cons. Engr., Route 1, Sykesville, Md. (Oct. '43)

Hudson, LeVerne D., Prin. San. Engr., Div. of San. Eng., State Dept. of Public Health, Capitol Bldg., Springfield, Ill. (Oct. '41) *MPR*

Hudson, W. Rowland, Engr. & Supt., California Water & Telephone Co., 2130 Huntington Drive, San Marino, Calif. (Jan. '39)

Hudson Dept. of Public Works, J. McClure Wardle, Supt. of Public Works, City Hall, Hudson, N.Y. (Mun. Sv. Sub. Jan. '48) *MPR*

Huff, C. H., *see* Hebbronville Utilities, Inc.

Huff, Marion F., Foreman, Water Dept., Water Works, 646 Hemphill Ave., N.W., Atlanta, Ga. (Oct. '45)

Huffhines, Emory L., Engr., B. F. Goodrich Co., Box 430, Borger, Tex. (Oct. '44)

Huffman, H. H., Supt., Water & Street Lighting Dept., City Bldg., Topeka, Kan. (June '32) *M*

Huffman, R. W., *see* Culpeper, Town of

Huffstetler, Leonard G., Jr., Chief Operator, Filtration Plant, Water Dept., Lenoir, N.C. (Apr. '47)

Hugart, J. S., Gen. Utility Foreman, Carbide & Carbon Chemical Co., Box 2831, Charleston 30, W.Va. (Oct. '45) *MPR*

Hughes, George F., *see* Denver, City & County of

Hughes, H. D., R.F.D. No. 7, Box 331, Dallas 6, Tex. (Jan. '42)

Hughes, Sydney E., Mech. Engr., 5739 Roberts Ave., Oakland 2, Calif. (Apr. '45)

Hughes, William P., City Engr., City Hall, Lewiston, Idaho (Sept. '25) *Director '35–'38. Fuller Award '41. MP*

Huick, Chester Randolph, Indus. Div., Sales, Johns-Manville Sales Corp., 777 Thomas St., Seattle, Wash. (Jan. '47) *P*

Hulbert, Roberts, Asst. Supt., Filtration Plant, Dept. of Water Supply, Detroit 14, Mich. (Apr. '30) *Fuller Award '42. P*

Hull, William Janney, Cons. Civ. Engr., Castle & Cooke, Ltd., Box 2990, Honolulu 2, Hawaii (Oct. '47) *MR*

Hulse, C. A., Chief Sales Clerk, Canadian Johns-Manville Co., Ltd., 199 Bay St., Toronto 1, Ont. (Jan. '44)

Hulteng, A. F., City Engr., Box 1018, Grand Forks, N.D. (Oct. '40) *MP*

Humason, N. J., Supt., Pumping & Filtration, Elyria Water Works, R.R. 2, West Lake Rd., Lorain, Ohio (July '35) *MP*

Humber, Joseph B., Pres., H & H Eng. Co., Inc., Box 429, Beeville, Tex. (Apr. '47) *P*

Humphrey, N. Allen, Sales Engr., Johns-Manville Corp., 917 State Planters Bank Bldg., Richmond, Va. (Oct. '46)

Humphries, Albert G., Water Service Engr., Southern Pacific Co., 65 Market St., San Francisco, Calif. (July '47)

Hungerford, Churchill, Jr., Pres., Hungerford & Terry, Inc., Clayton, N.J. (Jan. '39) *P*

Hunsicker, F. C., Supt., Maysville Water Co., Maysville, Ky. (Jan. '43)

Hunt, Asa E., Mfrs. Repr., 1708½ Commerce St., Dallas 1, Tex. (Jan. '44) *P*

Hunt, F. M., Supt., Light & Water Plant, Box 24, Seneca, S.C. (Apr. '29) *M*

Hunter, H. G., 1226 University St., Montreal, Que. (June '11) *P*

Hunter, H. R., Cons. Engr., 105 W. English St., Wichita 2, Kan. (Jan. '47)

Hunter, Homer A., Cons. Engr., 6403 Bob-O-Link Drive, Dallas 14, Tex. (July '41) *MPR*

Hunter, John H., *see* Springfield City Water, Light & Power Dept.

Hunter, John M., Jr., Filter Plant Supt., Water Dept., Cheyenne, Wyo. (Jan. '47) *MP*

Hunter, T. B., Cons. Engr., 41 Sutter St., San Francisco 4, Calif. (July '06) *P*

Huntley, Harold B., Supt. of Water Distr., Board of Water & Elec. Light Com., 116 W. Ottawa St., Lansing 3, Mich. (July '46) *MR*

Huntress, Charles O., City Mgr., Box 699, Bartlesville, Okla. (Apr. '40) *MPR*

Hurd, Charles H., Cons. Engr., 333 N. Pennsylvania St., Indianapolis 4, Ind. (Jan. '45) *P*

Hurd, Clarence E., Supt., Water Works, Punta Gorda, Fla. (July '37) *MPR*

Hurdle, Thomas W., Partner, R. T. Hurdle & Son, Box 914, Billings, Mont. (Apr. '48)

Hurlbut, William W., Cons. Engr., 167 S. Mansfield Ave., Los Angeles 36, Calif. (May '24) *Director '33–'36, '37–'38. President '37. Diven Medal '41. Fuller Award '41. Honorary M. '43. MPR*

Hurst, J. B., Owner, Hurst Drilling & Equipment, 1429 N.W. 7th Ave., Miami 36, Fla. (July '44) *PR*

Hurst, William Donald, City Engr. & Comr. of Bldgs., Eng. Dept., 223 James Ave., Winnipeg, Man. (Apr. '34) *Fuller Award '46. MP*

Hurtado, J. R., San. Chemist, Director, Water Lab., Instituto Nacional de Obras Sanitarias, Dept. de Purificacion de Aguas, Caracas, Venezuela (Jan. '39) *P*

Hushbeck, Harold R., Outside Supt., Water Dept., City Hall, 268 Main St., Watsonville, Calif. (Jan. '39) *M*

Huston, William E., 604 S. Busey, Urbana, Ill. (Jan. '45)

Hutchins, Will A., Supt., City Water Dept., Freeport, Ill. (Nov. '20) *MP*

Hutchinson, Dale, Water Comr., 45 S. Lake St., North East, Pa. (Jan. '40) *P*

Hutchison, Alexander, Vice-Pres., Drummond, McCall & Co., Ltd., 930 Wellington St., Montreal, Que. (May '21)

Hutson, Ernest R., Asst. Supt., Water Dept., Brownfield, Tex. (Oct. '47)

Hutton, Harold S., Sales Mgr., Wallace & Tiernan Co., Inc., Box 178, Newark 1, N.J. (Apr. '20) *P*

Huvelin, G., *see* Paris Compagnie Générale des Eaux

Hyatt, Chauncey A., Swimming Pool Sanitation Consultant, 5555 Sheridan Rd., Chicago 40, Ill. (Apr. '43) *P*

Hyde, Charles Gilman, 2599 Buena Vista Way, Berkeley 8, Calif. (July '07) *Honorary M. '39. Fuller Award '42. P*

Hyde, Homer H., Secy., Campbell Water Co., Box 788, Campbell, Calif. (July '48)

Hyde, Ralph H., Vice-Pres., The Campbell Water Co., Box 1, Campbell, Calif. (May '27) *M*

Hyde, Warren C., *see* Albert Lea Water Dept.

Hydraulic Development Corp., Reginald F. Hayes, Vice-Pres. & Gen. Sales Mgr., 50 Church St., New York 7, N.Y. (Assoc. M. May '25)

Hydraulic Supply Mfg. Co., Ralph S. Russell, Engr., 7500—8th Ave., S., Seattle 8, Wash. (Assoc. M. Jan. '42)

Hydro-Elec. Power Com. of Ontario, The, (Miss) Phyllis L. Foreman, Librarian, 620 University Ave., Toronto, Ont. (Corp. M. Jan. '47)

Hyman, H. H., Div. Mgr., Florida Power & Light Co., Box 3100, Miami 30, Fla. (Apr. '16) *Director '42–'45. Fuller Award '46. M*

Ibach, J. R., *see* St. Lawrence River Power Co.

Idaho Dept. of Public Health, H. C. Clare, Director, Div. of Public Health Eng., Boise, Idaho (Corp. M. Jan. '43) *MPR*

Idaho Surveying & Rating Bureau, Inc., L. S. Flitner, Mgr., Box 1069, Boise, Idaho (Corp. M. Feb. '24) *MR*

Idaho, Univ. of, W. W. Tinniswood, Asst. Prof. of Civ. Eng., Dept. of Civ. Eng., Moscow, Idaho (Corp. M. Jan. '35) *MPR*

Ilion Board of Water Comrs., Glenn L. Forrest, Acting Supt., Municipal Bldg., Ilion, N.Y. (Mun. Sv. Sub. Mar. '24) *P*

Illinois Inspection Bureau, C. W. Soderstrom, 309 W. Jackson Blvd., Chicago 6, Ill. (Corp. M. Jan. '24)

Illinois Water Treatment Co., John F. Wantz, Secy-Treas., 840 Cedar St., Rockford, Ill. (Assoc. M. July '45)

Illman, N. H., Mgr., Turbine Eng. Co., 21 King St., E., Toronto 1, Ont. (Apr. '43) *M*

Incledon, Leonard R., Water & San. Engr., Island Public Works, Station 13, Guam, Guam (Jan. '48)

Independence, City of, Glen H. Hackmaster, Supt., Water Dept., City Hall, Independence, Kan. (Corp. M. Jan. '48) *M*

Indiana Dept. of Conservation, Div. of Water Resources, C. H. Bechert, Director, State Library Bldg., Indianapolis, Ind. (Corp. M. Jan. '38) *R*

Indiana State Board of Health, Bureau of San. Eng., B. A. Poole, Chief Engr., 1098 W. Michigan St., Indianapolis 7, Ind. (Corp. M. June '26) *PR*

Industrial Chemical Sales Div., West Virginia Pulp & Paper Co., 230 Park Ave., New York 17, N.Y. (Assoc. M. May '31)

Inertol Co., Inc., H. A. Knoedler, Western Mgr., 19 S. Park, San Francisco 7, Calif. (Assoc. M. Oct. '44)

Infilco, Inc., P. F. Pew, Mgr., Public Works Div., 325 W. 25th Pl., Chicago 16, Ill. (Assoc. M. Nov. '15)

Inglewood Water Dept., D. H. Griffith, Supt., City Hall, Inglewood, Calif. (Corp. M. Oct. '38)

Inglis, John, Co., Ltd., E. A. Pickert, Head Office Sales, Gen. Eng. Div., 14 Strachan Ave., Toronto, Ont. (Assoc. M. Apr. '43)

Ingols, Robert Smalley, Research Assoc. Prof., Dept. of Chemistry & State Eng. Expt. Station, Georgia Inst. of Technology, Atlanta, Ga. (Jan. '44) *P*

Ingram, William T., Eng. Field Assoc., American Public Health Assn., 1790 Broadway, New York 19, N.Y. (July '35) *P*

Inspiration Consolidated Copper Co., Walter G. Scott, Metallurgical Supt., Box 244, Inspiration, Ariz. (Corp. M. Jan. '47)

Institution of Water Engineers, The, The President, Parliament Mansions, Abbey Orchard St., London, S.W.1, England (Corp. M. July '44)

Instituto Nacional de Obras Sanitarias, Laboratorio de Aguas, M.O.P., J. R. Hurtado, Director, Principal a Santa Capilla, Caracas, Venezuela (Corp. M. Jan. '45) *P*

Iola Water Works, Morris B. Willis, City Engr. & Supt. of Utilities, Iola, Kan. (Corp. M. Jan. '48) *MP*

Iowa Geological Survey, H. G. Hershey, Director & State Geologist, Geology Annex, Iowa City, Iowa (Corp. M. Apr. '42) *R*

Iowa Valve Co., J. W. Dousette, Gen. Sales Mgr., 201 N. Talman Ave., Chicago, Ill. (Assoc. M. Nov. '28)

Irey, George Woodbury, Supt. of Plants & Production, The Empire Dist. Elec. Co., 602 Joplin St., Joplin, Mo. (Jan. '47) *MPR*

Irish, J. Wilbur, Cons. Engr., 906 South St., Peekskill, N.Y. (Jan. '36) *P*

Irvin, M. G., Supt., Water Dept., Box 92, Wellington, Ohio (July '48)

Irvine, Leo E., Water Supt., 2175 Cherry Ave., Signal Hill 6, Calif. (Oct. '43) *M*

Irving, Leslie W., Chase & Irving, Attys., Central Bank Bldg., Oakland, Calif. (Jan. '48) *R*

Irvington Water Dept., Frank Unzner, Supt., 85 Main St., Irvington, N.Y. (Mun. Sv. Sub. Oct. '43) *M*

Irwin, George S., Supt., Water Dept., City Hall, Delaware, Ohio (Affil. Jan. '41) *MP*

Irwin, Gifford Melville, City Engr. & Water Comr., City Hall, Victoria, B.C. (Nov. '33) *MPR*

Irwin, William F., Sales Repr., Louisville Cement Co., 519 Main St., Cincinnati 2, Ohio (Oct. '38)

Isaacson, Claude N., Repr., Water Works Supply Co., 448 S. Hill St., Los Angeles 13, Calif. (Jan. '43) *R*

Isham, Orrin L., Supt., Munic. Water Dept., Box 446, Oxnard, Calif. (Oct. '38) *MR*

Itter, Charles J., Engr. of Design, Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Oct. '34) *MPR*

Ivey, J. W., Vice-Pres.-Sales Director, Moreland Chemical Co., Box 646, Spartanburg, S.C. (Jan. '48)

Ivy, Joseph W., Western Sales Mgr., National Cast Iron Pipe Div., 1104 Land Bank Bldg., Kansas City 6, Mo. (July '42) *MP*

Jack, Allen, Mgr., San Francisco Branch, Hersey Mfg. Co., 582 Market St., San Francisco 4, Calif. (Oct. '41) *M*

Jack, Dwight L., Chemist, Natrona Water Co., Natrona, Pa. (July '43) *P*

Jack, Grant R., City Engr., St. John's, Newfoundland (Mar. '30)

Jackson, Burl D., Salesman, Homelite Corp., 3400 Ross Ave., Dallas 4, Tex. (Jan. '47)

Jackson, Chester, Supt., Water Utility, Crandon, Wis. (Jan. '46)

Jackson, Leslie A., Mgr.-Engr., Munic. Water Works, Robinson Memorial Auditorium, Little Rock, Ark. (Apr. '36) *Fuller Award '44. M*

Jackson, R. A., *see* Bonham Water Dept.

Jacksonville, City of, A. E. Garner, City Mgr., Water & Sewer Dept., City Hall, Jacksonville, Tex. (Corp. M. Oct. '45)

Jacobs, L. L., Chief San. Engr., A4 Sec., Air Univ., Maxwell Field, Montgomery, Ala. (July '35)

Jacobs, Nathan B., Pres., Morris Knowles, Inc., 1312 Park Bldg., Pittsburgh 22, Pa. (Sept. '30) *MPR*

Jacobs, S. Willard, Vice-Pres., Niagara Alkali Co., 60 E. 42nd St., New York 17, N.Y. (Feb. 19) *P*

Jacobson, Alvin R., Asst. Prof., San. Chemist, San. Eng. Lab., College of Eng., New York Univ., University Heights, New York 53, N.Y. (Jan. '42) *P*

Jacobson, E. E., Mgr., Lexington Water Co., 167 N. Upper St., Lexington 15, Ky. (Apr. '32) *Director '38–'41. Fuller Award '48. M*

Jacobson, George L., Asst. Prof. of Civ. Eng., South Dakota School of Mines & Technology, Rapid City, S.D. (Jan. '47)

Jacobson, Samuel, Chemist, New Haven Water Co., 100 Crown St., New Haven 6, Conn. (Jan. '44) *P*

Jacoby, Gordon C., Treas., Jacoby, McGrayne & Co., 195 Van Houten St., Paterson, N.J. (Oct. '46)

Jacocks, Francis A., Director, Div. of Sanitation, City Health Dept., City Hall, Charlotte, N.C. (July '46)

Jacokes, J. W., *see* American Enka Corp.

Jacs, Alphonse, *see Public Works News*

James, Elmo, *see* Spokane, City of

Jamestown Board of Public Utilities, Water Div., Clayton O. Johnson, Supt., Jamestown, N.Y. (Corp. M. Jan. '39) *M*

Jansa, Victor, Cons. San. Engr., AB Vattenbyggnadsbyrån, Humlegårdsgatan 29, Stockholm, Sweden (Jan. '44)

Janzen, Herman A., San. Engr., c/o American Consulate, Belem, Brazil (Apr. '46)

Janzig, A. C., Sr. Chemist & Bacteriologist, Fridley Softening Plant, 43rd & Marshall Sts., N.E., Minneapolis 13, Minn. (Oct. '21) *P*

Jark, Arthur J., Supt., Water & Light Dept., 302 Racine St., Jefferson, Wis. (Apr. '48) *M*

Jarrett, James Maurice, Director, Div. of San. Eng., State Board of Health, Raleigh, N.C. (June '27) *P*

Jarstad, Otto, Gen. Foreman, Water Dept., Route 1, Box 3169, Bremerton, Wash. (Apr. '43)

Jarvis, Alexander Charles, Cons. Engr., Veilesovej 31, Holte, Denmark (May '14)

Jarvis, L. E., Supt., Water & Light Dept., Box 41, Cashmere, Wash. (July '35) *MP*

Jasper Munic. Elec. & Water Dept., Jasper, Ind. (Corp. M. Apr. '39)

Jeffcoate, Philip Robert, *see* Luton Water Co.

Jefferies, William Imler, Chief Engr., Water Div., Dept. of Public Service, Box 311, Arlington, Va. (Jan. '48) *M*

Jefferson Chemical Co., Inc., Eng. Div., D. H. Roderick, Power Engr., Box 108, Port Neches, Tex. (Corp. M. Jan. '48) *P*

Jeffords, Russell M., Geologist, U.S. Geological Survey, Geology Annex, Iowa City, Iowa (Jan. '47) *R*

Jeffrey Mfg. Co., The, S. L. Tolman, Mgr. of Sales, San. Eng. Div., 1st Ave. & 4th St., Columbus, Ohio (Assoc. M. Apr. '37)

Jeffrey, Roy, Purchasing Agent, Purchase Stores & Traffic Dept., Metropolitan Utilities Dist., 18th & Harney Sts., Omaha, Neb. (Jan. '47)

Jeffs, D. W., Supt., Utilities Com., Wingham, Ont. (Apr. '44)

Jemian, Simon Calousd, Sr. Structural Engr., Head, Washington Aqueduct Design Sec., U.S. Engr. Office, Washington 25, D.C. (Jan. '47) *P*

Jenkins, David W., The New Jersey Zinc Co., Franklin, N.J. (Oct. '22)

Jenkins, Harry A., *see* Fonthill Water Works Com.

Jenkins, William O., Supt., Water Works, Leaksville, N.C. (Jan. '36)

Jenks, Harry Neville, Cons. San. Engr., 63 Crescent Drive, Palo Alto, Calif. (Jan. '17) *P*

Jenks, Stanley, *see* Welsbach Corp., The

Jennings, A. E., Mgr., *Water & Sewage,* 341 Church St., Toronto 2, Ont. (July '43)

Jennings, Arthur J., City Director, Eng. & Water Dept., City Hall, Monroe, Mich. (Jan. '41) *M*

Jens, Stifel William, Partner, Horner & Shifrin, Cons. Engrs., 803 Shell Bldg., St. Louis 3, Mo. (Jan. '44) *R*

Jensen, Axel, Supt., Water Works, Hallock, Minn. (Apr. '43) *MP*

Jensen, E. (Miss), *see* Home Water Dist.

Jensen, Emil C., Chief, Div. of Public Health Eng., State Dept. of Health, 1412 Smith Tower, Seattle 4, Wash. (Jan. '42) *PR*

Jensen, Frank B., Supt. & Secy., City Water Works, Council Bluffs, Iowa (Jan. '35) *M*

Jensen, Harry, *see* Bird-Archer Co., Ltd.

Jensen, J. Arthur, 2400 Harriet Ave., Minneapolis 5, Minn. (Apr. '10) *Trustee '25–'27. Director '31–'33, '40–'41. President '40. M*

Jensen, O. F., Gen. Partner, Layne-Texas Co., Ltd., Box 9098, Houston 11, Tex. (July '38)

Jenson, Robert Melvin, Supt., Water Works, Grand Forks, N.D. (July '35) *MPR*

Jepson, A. E., Water Comr., Waterworks Dept., Box 40, Fort Erie North, Ont. (Jan. '47)

Jepson, Carl A., Chief Engr. & Chemist, Water Dept., City Hall, Elgin, Ill. (Jan. '48) *MPR*

Jerauld, Henry Franklin, Supt. of Stores, 1040 Manzanita Ave., Pasadena 3, Calif. (Oct. '43) *MPR*

Jerden, Alfred, *see* Malmö Stads Vatten- och Avloppsverk

Jernigan, Harold N., Box 362, Union City, Tenn. (Oct. '35)

Jerome Water Co., William A. Peters, Pres. & Mgr., Jerome, Idaho (Corp. M. July '35) *M*

Jessen, John E., Supt., City Water Works, City Hall, Monmouth, Ill. (Jan. '42) *M*

Jessup, Albert H., Cons. Engr., 224 N. Segovia Ave., San Gabriel, Calif. (Oct. '43) *P*

Jester, John M., Div. Engr., Washington Suburban San. Com., Hyattsville, Md. (July '37)

Jeup, Bernard H., Chem. Engr., Div. of Labs., State Board of Health, 1098 W. Michigan St., Indianapolis 7, Ind. (May '25) *P*

Jewell, Arthur G., Supt., Water Dept., City Hall, Mount Vernon, N.Y. (Jan. '42) *M*

Jewell, George H., Sales Repr., Builders Iron Foundry, 122 S. Michigan Ave., Chicago 3, Ill. (Apr. '34) *P*

Jewell, William V., Chief Bookkeeper, Dept. of Public Works, City Hall, Jersey City 4, N.J. (Nov. '27) *M*

Jiannott, William, Supt., Water Dist., Thornwood, N.Y. (July '35) *M*

Jobe, J. B., Mgr., Transite Pipe Dept., Johns-Manville Sales Corp., 816 W. 5th St., Los Angeles 13, Calif. (July '48)

Jobe, Lowell A., Asst. Prof. of Chem. Eng., College of Eng., Univ. of Idaho, Moscow, Idaho (Oct. '44) *P*

Jodaitis, Ladislaus T., Sr. Asst. Engr. (R), U.S. Public Health Service, 4325 Chamberlayne Ave., Richmond, Va. (July '43) *P*

John, Robert L., 37 Queen St., Spotz Bldg., York, Pa. (July '43) *P*

Johns-Manville Sales Corp., R. F. Orth, Mgr., Transite Pipe Dept., 22 E. 40th St., New York 16, N.Y. (Assoc. M. Mar. '33)

Johnson, A. C., Bottlers' Service Dept., The Coca-Cola Co., 310 North Ave., N.W., Drawer 1734, Atlanta 1, Ga. (Jan. '42)

Johnson, A. Stanford, Graduate Student, Dept. of Civ. Eng., Univ. of Minnesota, Minneapolis 14, Minn. (Jr. M. July '48)

Johnson, A. T., Branch Mgr., Crane Co., Box 2106, Billings, Mont. (Jan. '48)

Johnson, Arthur H., Assoc. San. Engr., State Conservation Dept., Div. of Water Power & Control, 90–79 Sutphin Blvd., Jamaica 2, N.Y. (Jan. '45) *R*

Johnson, Arthur L., Foreman, Water Works Dept., Box 422, Kalispell, Mont. (Jan. '45) *M*

Johnson, B. French, Chemist, New Castle Water Co., 31 N. Mill St., New Castle, Pa. (Apr. '39)

Johnson, Bruce W., *see* Automatic Pump & Softener Corp.

Johnson, Carl, Chief Operator, Water Plant, Fort Leavenworth, 803 S. Broadway, Leavenworth, Kan. (Apr. '40) *MP*

Johnson, Carl A., Field Supt., Water Distr. System, Dept. of Water & Power, 207 S. Broadway, Los Angeles 12, Calif. (Jan. '42) *M*

Johnson, Clayton O., Supt., Board of Public Utilities, Jamestown, N.Y. (May '34) *M*

Johnson, Dewey W., Cast Iron Pipe Research Assn., 122 S. Michigan Ave., Chicago 3, Ill. (Jan. '37)

Johnson, Donald L., Bacteriologist, Water, Gas & Sewage Disposal Dept., 414–16 W. 1st St., Duluth 2, Minn. (Apr. '48)

Johnson, E. B., Supt., Water Works, 825 N.W. 3rd Ave., Ft. Lauderdale, Fla. (July '48)

Johnson, E. Harold, Florida Repr., A. P. Smith Mfg. Co., Box 1704, Orlando, Fla. (Oct. '41)

Johnson, E. M., *see* Raleigh, City of

Johnson, E. P., Dist. Mgr., Wallace & Tiernan Co., Inc., 418 Flannery Bldg., Pittsburgh 13, Pa. (July '35) *P*

Johnson, Edgar W., Water Works Engr., Water Dept., 229 City Hall, Minneapolis 15, Minn. (July '17) *Director '42–'45. MP*

Johnson, Edward E., Inc., W. M. Bollenbach, 2304 Long Ave., St. Paul 4, Minn. (Assoc. M. May '22)

Johnson, Eric F., Asst. Secy., American Water Works Assn., 500—5th Ave., New York 18, N.Y. (Jan. '42)

Johnson, Floyd V., Salesman, Mueller Co., 1115 Clayton Ave., Nashville 4, Tenn. (Oct. '41) *P*

Johnson, Francis M., Major, U.S. Army, San. Engr. Officer, Headquarters C. Air C., Surgeon's Office, APO 825, c/o Postmaster, New Orleans, La. (Oct. '37) *P*

Johnson, H. L., Chief Operator, Steam Pumping Station, Dept. of Water & Sewers, 2314 S.W. 15th St., Miami, Fla. (Oct. '42)

Johnson, H. M., *see* Anaconda Copper Mining Co.

Johnson, Hamilton K., San. Engr., Pacific Water Works Supply Co., 2900—1st Ave., S., Seattle 4, Wash. (Apr. '46)

Johnson, Harold W., Sr. Civ. Engr., PWD, NAB 5ND, USN, 7633 Gloucester Ave., Rose Gardens, Norfolk 5, Va. (Oct. '45)

Johnson, Harry M., Water Supt., 100 W. Perry St., Walbridge, Ohio (Oct. '46) *M*

Johnson, Howard A., Supt., Water Treatment, Water, Gas & Elec. Depts., Danville, Va. (Nov. '28) *P*

Johnson, J. M., Supt., Water & Sewer Dept., City Hall, Borger, Tex. (Oct. '47)

Johnson, Jess B., Engr., Public Utilities, 817 Franklin St., Manitowoc, Wis. (Nov. '31) *R*

Johnson, John D., Gen. Supt., Bureau of Water, 701 French St., Erie, Pa. (July '42) *MP*

Johnson, Jonathan L., Sales Mgr., Neptune Meters, Ltd., Long Branch, Ont. (Jan. '45) *MPR*

Johnson, Kenneth R., Supt., Water Dept., 426—2nd Ave., E., Dickinson, N.D. (July '47)

Johnson, Kiehner, Sales Engr., Johns-Manville Sales Corp., 12 N. 3rd St., Columbus, Ohio (Oct. '47) *M*

Johnson, Laurence E., Sr. Field Service Engr., The Flox Co., Inc., 1135 Oak St., Fargo, N.D. (Jan. '45) *MP*

Johnson, Leon Randolph, Partner, Johnson & Williams, Cons. Engrs., 1225—19th St., N.W., Washington 6, D.C. (Jan. '43) *PR*

Johnson, Maynard P., Water Supervisor, General Elec. Co., 1727 Horn, Richland, Wash. (Apr. '48)

Johnson, Meredith E., State Geologist, Dept. of Conservation, State House Annex, Trenton 7, N.J. (Affil. July '38) *R*

Johnson, Paul H., Water Works Engr., Consoer, Townsend & Assoc., 351 E. Ohio St., Chicago 11, Ill. (Jan. '47) *MPR*

Johnson, Raymond E., Owner-Mgr., Schnick's Culligan Soft Water Service, Box 408, Alliance, Neb. (Oct. '46)

Johnson, Russell K., Dist. Sales Mgr., Darling Valve & Mfg. Co., 70 Pine St., New York 5, N.Y. (Jan. '28)

Johnson, Samuel C., Chem. Engr., Dearborn Chemical Co., 1912 Straus Bldg., Chicago 4, Ill. (Apr. '23)

Johnson, W. E., Civ. Engr., 504 First Federal Savings & Loan Bldg., Box 1324, Jackson, Miss. (Jan. '45) *P*

Johnson, W. H., Supt., Water Works, Harrodsburg, Ky. (Feb. '31) *MP*

Johnson, W. Scott, Director, Environmental Sanitation Sec., Div. of Health, Jefferson City, Mo. (Feb. '24) *P*

Johnson, Wallace, Supt. of Water, Water Dept., City Hall, Huron, S.D. (Jan. '47)

Johnson, Walter F., *see* Emporia, City of

Johnson, Wayne W., Engr., Metropolitan Sewerage Dist., 110 E. Main St., Madison 3, Wis. (Oct. '43) *MP*

Johnson, William Bickley, Supervisor, Bureau of Water, City Hall, Easton, Pa. (Jan. '37) *MPR*

Johnson, William L., City Mgr., Ironwood, Mich. (July '46)

Johnson City Water Dept., Arthur J. Merrill, Supt., Johnson City, N.Y. (Corp. M. Sept. '25)

Johnston, Carl Bayard, Engr., Taylor & Taylor, Cons. Engrs., 725 S. Spring St., Los Angeles 14, Calif. (Jan. '46) *MP*

Johnston, Clark B., Pres.-Mgr., East Bethlehem Water Co., Fredericktown, Pa. (July '43) *MP*

Johnston, E. W., Sr. San. Engr., San. Eng. Div., Ontario Dept. of Health, Parliament Bldgs., Toronto 2, Ont. (Feb. '34) *P*

Johnston, J. E., *see* Badger Meter Mfg. Co.

Johnston, Lewis Z., Jr., City Engr., Drawer 868, Buena Vista, Va. (Jan. '47)

Johnston & Jennings Co., The, *see* Rusta Restor Div.

Johnstone, A. J., Supt., Illinois Water Service Co., 122 N. Walnut St., Champaign, Ill. (July '42) *M*

Johnstone, Alan M., Asst. Supt., Water & Light Plant, Orangeburg, S.C. (Jan. '40) *P*

Jolly, Russell L., Sales Engr., Mueller Co., 205 W. Wacker Drive, Chicago, Ill. (July '47)

Jones, A. P., *see* Consolidated Chemical Industries, Inc.

Jones, C. S., Sales Mgr., Gordon & Belyea, Ltd., 101 Powell St., Vancouver, B.C. (Jan. '47)

Jones, Charles, Water Works Supt., Corp. of Richmond, Town Hall, Brighouse, B.C. (Jan. '45)

Jones, E. D., Gen. Supt., Water Dept., Box 307, Brownfield, Tex. (Oct. '43)

Jones, Earl F., Jersey Shore Water Co., Jersey Shore, Pa. (Mar. '27) *M*

Jones, Everett M., Vice-Pres. & Gen. Mgr., Simplex Valve & Meter Co., 68th & Upland Sts., Philadelphia 42, Pa. (July '44) *P*

Jones, Frank Woodbury, Partner, Havens & Emerson, Cons. Engrs., 1140 Leader Bldg., Cleveland 7, Ohio (May '23) *P*

Jones, Fred D., Gen. Foreman, 305 City Hall, Spokane, Wash. (Jan. '38) *M*

Jones, Frederick S., Special Repr., A. D. Cook, Inc., 35 Broadview Ave., Maplewood, N.J. (Jan. '45)

Jones, H. C., *see* Dan River Mills, Inc.

Jones, H. Seaver, Pres., Centriline Corp., 140 Cedar St., New York 6, N.Y. (July '22)

Jones, Harvey P., Partner, Jones & Henry, Cons. Engrs., 821 Security Bldg., Toledo 4, Ohio (July '22) *Director '45-'48. P*

Jones, Hugh, Engr., Alex Robertson Co., 811 Paramount Blvd., Clearwater, Calif. (Jan. '47)

Jones, Ivan W., Supt., Hutchinson Water Co., Inc., 19 E. 2nd St., Hutchinson, Kan. (Jan. '45)

Jones, J. Orville, Supt., Water Works, 319 W. 4th St., Box 1664, Pueblo, Colo. (Jan. '48)

Jones, James E., Civ. Engr., Aqueduct-Hydrography Sec., Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Oct. '33)

Jones, James H., *see* Jones, James, Co., Inc.

Jones, James, Co., Inc., James H. Jones, Secy. & Treas., 201 Leroy St., Los Angeles 12, Calif. (Assoc. M. Oct. '21)

Jones, John Wiley, Co., Wilson Stewart, Mgr., Water Works Div., 100 Hardwood Ave., Caledonia, N.Y. (Assoc. M. Jan. '48)

Jones, Leon T., *see* Hendrie & Bolthoff Mfg. & Supply Co.

Jones, Malcolm S., Jr., 10810 E. Marginal Way, Seattle, Wash. (Apr. '47)

Jones, Max K., Mgr., Huntington Water Corp., Huntington 10, W.Va. (July '35) *Fuller Award '46. M*

Jones, Morris S., Chief Engr. & Gen. Mgr., Water Dept., 319 City Hall, Pasadena 1, Calif. (Oct. '24) *M*

Jones, Myron T., 1825 Coventry Rd., Columbus 12, Ohio (July '42)

Jones, Ned R., Owner, Culligan Soft Water Service, 512 Broadway, Hannibal, Mo. (Apr. '47) *P*

Jones, P. E., Supt., Water Dept., City Hall, Kelso, Wash. (Jan. '47)

Jones, R. A., Chemist, Water Works, 1931 E. 31st St., Lorain, Ohio (Oct. '46)

Jones, R. M., Director of Research, Liquid Carbonic Corp., 3100 S. Kedzie Ave., Chicago 23, Ill. (July '47)

Jones, Ralph Lloyd, Secy., Soft Water Service, Inc., 101 S. Delaware Ave., Mason City, Iowa (Oct. '45) *P*

Jones, Richard Y., Cons. Engr., 209 Engineers Bldg., Joplin, Mo. (Oct. '47) *PR*

Jones, Roy G., Supt., Tract 349 Mutual Water Co., 3726 Walnut St., Cudahy, Calif. (July '42) *M*

Jones, T. A., Supt., City Water Dept., Fort Valley, Ga. (Nov. '43)

Jones, T. E., 106 Anna Rd., Oak Ridge, Tenn. (Jan. '40) *M*

Jones, T. H., *see* Kingston upon Hull Corp. Water Dept.

Jones, T. Marshall, Dist. Sales Engr., M & H Valve & Fittings Co., 618 Belleforte Ave., Oak Park, Ill. (Apr. '42)

Jones, W. Logan, Secy.-Treas., Public Water Supply Dist. No. 2, Raytown, Mo. (July '44) *M*

Jones, W. S., Supt., Water Works, Batesville, Miss. (Jan. '48)

Jones, William Clark, Div. Engr., Bureau of Eng., Water Dept., 110 Cherry St., Toledo 4, Ohio (Jan. '47) *P*

Jones, William R., Chemist & Bacteriologist, Fridley Softening Plant, 43rd & Marshall Sts., N.E., Minneapolis 13, Minn. (Affil. Jan. '41) *P*

Jonesboro Water & Light Plant, Neal B. Thayer, Mgr., 411 S. Union St., Jonesboro, Ark. (Corp. M. Oct. '45) *M*

Joos, C. E., Vice-Pres. & Sales Mgr., Water Conditioning Div., Cochrane Corp., 17th St. & Allegheny Ave., Philadelphia 32, Pa. (Apr. '39) *P*

Jordan, D. E., Apdo. 1715, Havana, Cuba (Jan. '41)

Jordan, Frank, Mayor, City Water Works, Brownfield, Tex. (Oct. '46)

Jordan, Harry E., Secy., American Water Works Assn., 500—5th Ave., New York 18, N.Y. (Oct. '19) *Director '31–'34, '35–'36. President '35. Diven Medal '36. Secretary '37–. Honorary M. '39. MPR*

Jordan, Henri K., Pres., Canada Valve & Hydrant Co., Ltd., Brantford, Ont. (July '41) *M*

Jordan, Joseph C., Supt., Water Distr. Meters, Board of Public Utilities, City Hall, Kansas City, Kan. (Apr. '46) *M*

Jordan, Loy, *see* Community Public Service Co. [Texas City]

Jorgensen, Homer W., San. Engr., Los Angeles County Sanitation Dists., 1206 Maple Ave., Los Angeles 15, Calif. (Oct. '39) *MP*

Joslyn, Ray O., Pres., Layne-Western Co., 1010 W. 39th St., Kansas City 2, Mo. (May '30) *R*

Jost, Arthur P., Mgr., Ocean County Water Co., 516 Main Ave., Bay Head, N.J. (July '45)

Joyce, Charles V., Div. Engr., Washington Suburban San. Dist., Hyattsville, Md. (Jan. '37) *M*

Jud, Eric Peter, Supt., Acueducto de Maracaibo, Apdo. 53, Maracaibo, Venezuela (Oct. '45)

Judd, Thomas H., Supt. of Water Systems, Washington Water Power Co., Spokane, Wash. (Jan. '38) *M*

Judge, James C., Salesman, Neptune Meter Co., 1238 N.W. Glisan St., Portland 9, Ore. (Jan. '46)

Judge, James H., Asst. Gen. Sales Mgr., Neptune Meter Co., 50 W. 50th St., New York 20, N.Y. (Apr. '34) *M*

Judson, H. T., Portland Mgr., Hersey Mfg. Co., 1231 N.W. Hoyt St., Portland 9, Ore. (Mar. '29)

Juhlin, Charles, *see* Aurora Water & Light Com.

Julesburg, Town of, Joseph W. McNamara, Water Supt., Julesburg, Colo. (Corp. M. July '37)

Julian, Roy E., *see* Ohio Inspection Bureau

Jullum, Henry, Mfrs. Repr., 317 Builders Exchange Bldg., Portland 4, Ore. (Jan. '48) *P*

Junction City Water Dept., Elder Gunter, City Mgr., Municipal Bldg., Junction City, Kan. (Corp. M. Jan. '48) *M*

Justice, Leon Arthur, Chemist P-2, Camp Maint., Camp LeJeune, N.C. (Apr. '46) *P*

Justus, O. H., Water Works Operator, City Water Works, 421 Grand Central Ave., Vienna, W.Va. (Affil. Jan. '40)

Jutz, Charles E., Chairman of Board, St. Louis County Water Co., 6600 Delmar Ave., St. Louis 5, Mo. (Apr. '20)

Kable, Edgar P., Gen. Mgr., York Water Co., 130 E. Market St., York, Pa. (Nov. '17) *MPR*

Kachelhoffer, Fred G., Instructor, San. Eng., Oregon State College, 204 Industrial Bldg., Corvallis, Ore. (July '45) *P*

Kadinger, Fred, Plant Supt., Com. on Public Works, Juneau, Wis. (Jan. '40) *M*

Kain, Ted H., Gen. Mgr., Columbia Water Co., 220 Locust St., Columbia, Pa. (Jan. '44) *MP*

Kaiser Co., Inc., Utilities Dept., H. I. Riegel, Supt. of Utilities, Box 217, Fontana, Calif. (Corp. M. July '43) *PR*

Kaiser, Clarence T., San. Engr., Box 743, Columbus 16, Ohio (July '42)

Kalbfleisch, Oscur C., Supt., Water Dept., 127 W. 4th St., Mansfield, Ohio (Apr. '43)

Kalinske, A. A., Director of Development, Infilco, Inc., 325 W. 25th Pl., Chicago 16, Ill. (Jan. '47)

Kaltenbach, Albert B., Sr. Assoc. Engr., Bureau of Sewers, 315 Municipal Bldg., Baltimore 2, Md. (Jan. '44) *MPR*

Kamloops, City of, W. H. Sparks, City Engr., Water Works Dept., 112 Lorne St., Kamloops, B.C. (Corp. M. Apr. '44) *P*

Kane, William Edward, Sales Engr., Salina Supply Co., 329 W. Ellsworth, Salina, Kan. (Jan. '45) *PR*

Kansas City Suburban Water Co., Inc., L. S. McArthur, Mgr., 5604 Johnson Drive, Mission, Kan. (Corp. M. Apr. '47) *M*

Kansas City Water Dept., Director, City Hall, Kansas City 6, Mo. (Corp. M. Feb. '15)

Kansteiner, H. H., Mgr., Production & Distr., Water Works Dept., Leavenworth, Kan. (Apr. '37) *M*

Kanto, W. P., *see* Norton, Town of

Kantola, William V., Water Works Supt. & City Engr., Water Dept., City Hall, Conneaut, Ohio (Apr. '43)

Kaplan, Morris, Chem. Control Engr., South Dist. Filtration Plant, 3300 E. Cheltenham Pl., Chicago 49, Ill. (Apr. '47) *MPR*

Kapp, John J., Jr., Supt. & Operator, Water Dept., 378 Morrissee Ave., Haledon, N.J. (Jan. '44)

Kappe, Stanley E., Kappe & Assoc., 1420 New York Ave., N.W., Washington 5, D.C. (Apr. '32) *P*

Karalekas, Peter C., Chief Engr., Munic. Water Works, City Hall, Springfield, Mass. (July '48)

Karpen, Raymond J., Major, San Engr., Preventive Medicine Div., Surgeon General's Office, 2C–482 Pentagon Bldg., Washington 25, D.C. (Jan. '46) *P*

Karr, Roy Warfield, Northwest Sales Repr., Mueller Co., 2801 E. 12th St., Los Angeles 23, Calif. (Jan. '38)

Karstens, M. Chauncey W., Engr., The Engineer Board, Fort Belvoir, Va. (Jan. '47)

Kassay, Albert E., Supt., Water & Sewer Dept., North Tarrytown, N.Y. (June '29) *M*

Kauffman, James B., Assoc. Engr., Bureau of Water Supply, 704 Charing Cross Rd., Baltimore 29, Md. (July '42)

Kaufman, A. A., Chief Engr., Water Plant, City Water Dept., W. Charles St., Humboldt, Kan. (Jan. '47)

Kaufman, Robert A., Mgr., Port Chester Water Works, Inc., Port Chester, N.Y. (Jan. '42) *M*

Kaufman, Warren J., San. Engr., Kinki Military Govt. Region, APO 301, c/o Postmaster, San Francisco, Calif. (July '47) *MP*

Kavanagh, Gerald R., Dist. Mgr., Wallace & Tiernan Co., Inc., 922 Hamilton Bldg., Knoxville 02, Tenn. (July '39) *P*

Kavanagh, J. P., Dist. Mgr., Wallace & Tiernan Co., Inc., 915 Colonial-American Bank Bldg., Roanoke 11, Va. (Oct. '41) *P*

Kay, L. A., *see* Manitoba Dept. of Health & Public Welfare

Kaye, John R., Eng. Service Co., Box 263, 14 Prince St., Halifax, N.S. (July '43)

Kayeska, Carl A., Supt., Water Works, Chaska, Minn. (Jan. '46) *MP*

Kazmann, Raphael G., Chief Hydr. Engr., Ranney Method Water Supplies, Inc., 63 S. High St., Columbus 15, Ohio (Apr. '46) *R*

Kear, Carl I., *see* Minersville, Munic. Authority of Borough of

Keasbey & Mattison Co., Arthur B. Spaulding, Sales Mgr., Asbestos Cement Pipe Dept., Ambler, Pa. (Assoc. M. Oct. '37)

Keating, H. E., Mgr., Consumers Water Co., 119 Giralda Ave., Coral Gables, Fla. (Jan. '46) *M*

Keatley, Charles R., San. Engr., Water Supply Branch, Engr. Research & Development Labs., Fort Belvoir, Va. (Jan. '40) *P*

Keefer, Clarence E., Deputy Sewerage Engr., Bureau of Sewers, Municipal Office Bldg., Baltimore, Md. (Feb. '20) *P*

Keeler, H. Y., Registered Professional Engr., 916—5th Ave., Huntington, W.Va. (Apr. '41) *P*

Keeler, Russell B., 5417 Lemon Grove Ave., Los Angeles 38, Calif. (Apr. '44) *MP*

Keene, William, Gen. Supt., Town of Pointe Claire, 293 Lakeshore Rd., Pointe Claire 33, Que. (Jan. '44) *M*

Keeping, Clarence A., Engr. of Roads & Streets, City of Winnipeg, Eng. Dept., 233 James Ave., Winnipeg, Man. (Jan. '41)

Kegebein, John F., Jr., San. Engr., Naval Fuel Facility, Craney Island, Naval Supply Center, Norfolk, Va. (Apr. '41) *MP*

Keil, Russell D., Pres., Sonoma Water & Irrigation Co., 111 Sutter St., San Francisco 4, Calif. (Oct. '46)

Keils, Anthony, Consultant, Water Dept., 38 Moross Ave., Mt. Clemens, Mich. (June '09) *Fuller Award '48.*

Keily, C. J., 193–24 Foothill Ave., Hollis, N.Y. (Nov. '29)

Keinath, Herbert L., Supt., Water Works, Frankenmuth, Mich. (Oct. '44) *P*

Keinath, William J., Engr., Calgon, Inc., 138 E. Court St., Cincinnati 2, Ohio (July '41)

Keirn, K. A., Div. Mgr., Wallace & Tiernan Co., Inc., 1713 California Ave., Monrovia, Calif. (July '35) *P*

Keis & Holroyd, Cons. Engrs., F. J. Keis, 257 Broadway, Troy, N.Y. (Corp. M. Apr. '47) *PR*

Keis, F. J., Cons. Engr., 257 Broadway, Troy, N.Y. (Apr. '27) *P*

Keith, J. Clark, Gen. Mgr., Utilities Com., 607 Canada Bldg., Windsor, Ont. (Mar. '23) *Director '40–'43. M*

Keith, W. R., Supt. of Water, Beecher Metropolitan Water Dept., 1049 Louis Ave., Flint 5, Mich. (Oct. '45)

Keliher, Timothy, Supt. & Mgr., Williamsport Water Co., Williamsport 1, Pa. (Feb. '17) *M*

Kellam, N. H., Asst. Chemist, U.S.M.C., 316 Marine Court, Camp Lejeune, N.C. (Apr. '45)

Kellan, Dayton, Jr., *see* Negaunee Water Works Dept.

Kelleher, Joseph T., Supt., Water System, 626 Main St., Martinez, Calif. (Oct. '37) *MP*

Keller, G. E., Purchasing Agent, City Hall, Colton, Calif. (July '48)

Keller, S. K., Gen. Supt., Pinellas County Water System, Box 151, Clearwater, Fla. (July '38) *MP*

Keller, Samuel Harris, Distr. Engr., Southern California Water Co., 1206 S. Maple Ave., 950 Bendix Bldg., Los Angeles, Calif. (July '46) *MR*

Keller, William H., Mgr., Transite Pipe Sec., Johns-Manville Sales Corp., 1000 Market St., St. Louis 1, Mo. (Jan. '44)

Kelley, C. F., Supt., Water Works & Elec. Lighting Plant, Box 110, Napoleon, Ohio (Jan. '39) *M*

Kelley, Frank, Supt., Water Dist., Valhalla, N.Y. (Jan. '40) *MP*

Kelley, Peter J., *see* Limestone Products Corp. of America

Kelley, W. D., Cons. Engr., Chamber of Commerce Bldg., Charleston, W.Va. (Oct. '40)

Kellner, Hugh, 350 Moy Ave., Windsor, Ont. (Feb. '23) *M*

Kellogg, James Wilford, Asst. Director, State Lab. of Hygiene, Raleigh, N.C. (June '21) *Director '40–'43. Fuller Award '46. P*

Kells, Thomas J., Repr., Neptune Meter Co., 2118 Roosevelt Ave., Burlingame, Calif. (Apr. '45)

Kelly, Alfred F., Supt., Munic. Water Dept., Martins Ferry, Ohio (Apr. '48)

Kelly, J. B., Supt., Water Works Dept., Public Utilities Com., Goderich, Ont. (Apr. '42)

Kelly, John F., Asst. Supt., Bureau of Water, 114 Benedict St., Waterbury 65, Conn. (Jan. '47)

Kelly, John R., Plant Supt., Gainesville, Fla. (Apr. '47)

Kelly, Robert D., Engr., New York Fire Insurance Rating Organization, 400 E. Genesee St., Syracuse 2, N.Y. (Jan. '43)

Kelly, S. N., *see* Norwich, City of

Kelman, J. A., *see* Timmins, Corp. Town of

Kelso, Gilbert L., Prin. Water Analyst, Water Lab. Div., State Hygienic Lab., Medical Bldg., Iowa City, Iowa (May '30) *P*

Kemp, Harold A., *see* District of Columbia Govt.

Kempkey, Augustus, Cons. Engr., 409 Balboa Bldg., San Francisco 5, Calif. (June '23)

Kenan, Robert L., Cons. Engr., R. L. Kenan & Assoc., Bell Bldg., Montgomery, Ala. (Oct. '44)

Kendall, Nathaniel J., Chief Engr., Water Works, 374 W. Santa Clara St., San Jose, Calif. (Jan. '46) *MR*

Kendrick, Edward J., 271 Woodbury Rd., Huntington, N.Y. (Apr. '46)

Kennedy, Anthony J., Asst. Supt. & Engr., Water Dept., Box 826, Riverside, Calif. (Jan. '43)

Kennedy, Clyde C., Cons. Engr., Sr. Partner, Eng. Office of Clyde C. Kennedy, 604 Mission St., San Francisco 5, Calif. (Oct. '27) *P*

Kennedy, James W., Canadian Ingersoll Rand Co., Ltd., 27 Wellington St., E., Toronto 2, Ont. (Apr. '43) *MR*

Kennedy, Robert Charles, Asst. Chief Engr. & Asst. Gen. Mgr., East Bay Munic. Utility Dist., 512—16th St., Oakland 4, Calif. (May '33) *M*

Kennedy Valve Mfg. Co., The, Elmira, N.Y. (Assoc. M. Mar. '11)

Kennedy, W. H., Supt. of Utilities, Box 86, Newton, Tex. (Jan. '46) *M*

Kennedy, W. M., Chemist in Charge of Filter Plant, City Water Dept., Box 529, Rock Hill, S.C. (Jan. '43) *M*

Kenney, Norman D., Sr. Engr., G. Douglas Andrews Assoc., 212 Washington Ave., Towson, Md. (Jan. '41) *P*

Kennison, Karl R., Chief Engr., Constr. Div., Metropolitan Dist. Com., 20 Somerset St., Boston 8, Mass. (July '39) *P*

Kennon, James H., Mng. Engr., Bureau of Water, 416 City-County Bldg., Pittsburgh 19, Pa. (Sept. '29) *Director '41–'44. M*

Kenny, Norbert J., Pres., Ohmer Corp., Box 998, Dayton 1, Ohio (Apr. '38)

Kenosha Water Dept., Harold T. Rudgal, Supt., City Hall, Kenosha, Wis. (Corp. M. Apr. '37) *MP*

Kent, Frederick S., c/o School of Public Health, Univ. of Michigan, Ann Arbor, Mich. (Apr. '42) *P*

Kent, R., *see* Williston Park, Inc. Village of

Kentucky State Dept. of Health, F. C. Dugan, Director, Div. of San. Eng., 620 S. 3rd St., Louisville 2, Ky. (Corp. M. Feb. '15) *P*

Kentucky Utilities Co., E. W. Brown, Vice-Pres., 159 W. Main St., Lexington 3, Ky. (Corp. M. Feb. '05) *MP*

Kenwell Corp., S. Kenneth Weiser, Pres. & Gen. Mgr., 1919 Bonita Drive, Glendale 8, Calif. (Assoc. M. July '47)

Kepler, Elmer E., Supt., Water & Sewage Dept., City Hall, Burlington, Kan. (July '46) *MP*

Kepner, Dana E., Mfrs. Repr., 1921 Blake St., Denver 2, Colo. (Oct. '25) *Fuller Award '39. P*

Kerby, J. J., Owner, Water Works, Box 97, Sundown, Tex. (Oct. '46)

Kerns, F. L., *see* Peru, City of

Kerr, A. J., Vice-Pres.-Sales, Rockwell Mfg. Co., 400 N. Lexington Ave., Pittsburgh 8, Pa. (July '44)

Kerr, E. R., Pres. & Gen. Mgr., The Kerr Engine Co., Ltd., 840 Walker Rd., Walkerville, Ont. (Jan. '46)

Kerr, Harry, Supt., Water Works, New Philadelphia, Ohio (Oct. '46) *M*

Kerr, S. Logan, Cons. Engr. & Pres., S. Logan Kerr & Co., Inc., 1528 Walnut St., Philadelphia 2, Pa. (Jan. '35) *MP*

Kerrville, City of, G. S. Cone, City Mgr., Water Dept., City Hall, Kerrville, Tex. (Corp. M. Oct. '45)

Kershaw, Neil F., 6928 Warwick Rd., Indianapolis 5, Ind. (Jan. '37) *MP*

Kerslake, James E., Supt. of Filtration, Water Works, City Hall, Milwaukee, Wis. (May '30) *P*

Kessler, Lewis H., Prof. of San. Eng., Northwestern Technological Inst., Evanston, Ill. (June '30) *P*

Kessler, Tibor, Engr., Armco Industrial e Commercial S/A, Rua de Alfandega 107–4, Rio de Janeiro, Brazil (July '48)

Ketcham, Harold B., Supt., Sea Cliff Water Co., 325 Prospect Ave., Sea Cliff, N.Y. (Jan. '44)

Ketcham, Valentine O., Pres. & Gen. Mgr., Stamford Water Co., 103 Summer St., Stamford, Conn. (July '26) *M*

Keuka College, Earl Darmstadt, Supt. of Bldgs. & Grounds, Keuka Park, N.Y. (Corp. M. Apr. '47) *M*

Kevil, Ury Jimmie, Supt., Water & Sewer Dept., City Water Works, Rule, Tex. (Jan. '47)

Kewanee, City of, Munic. Water Works, Harry L. Orr, City Clerk, 200 W. 3rd St., Kewanee, Ill. (Corp. M. Apr. '45) *M*

Key, Frank S., Water Works Engr., City Water Dept., Shelby St., Kingsport, Tenn. (July '48)

Keyak, Michael H., San. Engr., Water Purif. Div., San Francisco Water Dept., Millbrae, Calif. (Oct. '41) *P*

Keyes, Harmon E., Cons. Chem. Engr., 508 E. Culver St., Phoenix, Ariz. (July '47)

Keys, Edward H., Dist. Mgr., Virginia Smelting Co., 4613 Torresdale Ave., Philadelphia 24, Pa. (Apr. '48)

Keys, Stanley W., *see* Keys Well Drilling Co.

Keys Well Drilling Co., Stanley W. Keys, 413 N. Lexington Ave., St. Paul 4, Minn. (Assoc. M. Jan. '44)

Kidd, Carl W., Supt., Water & Sewer Dept., Dansville, N.Y. (Apr. '46)

Kiker, John Ewing, Jr., Assoc. Prof. of Public Health Eng., Dept. of Civ. Eng., Hydraulics Bldg., Univ. of Florida, Gainesville, Fla. (May '33) *P*

Kilborn, R. Kenneth, Pres., Kilborn Eng. Co., Ltd., 13 Adelaide St., E., Toronto, Ont. (July '46)

Kilby, H. S., Vice-Pres. of Operations, Western Light & Telephone Co., Inc., Box 763, Great Bend, Kan. (Jan. '47) *M*

Kilcawley, E. J., Prof. of San. Eng., Rensselaer Polytechnic Inst., Troy, N.Y. (Oct. '42) *P*

Killam, Elson T., Hydr. & San. Engr., 140 Cedar St., New York 6, N.Y. (Dec. '31) *MP*

Killgreen, William S., Partner, Corwin & Co., Inc., 413 Medical Arts Bldg., Great Falls, Mont. (Apr. '43)

Killian, Paul, Mgr., Peoples Water Service Co., Brunswick, Ga. (Mar. '30) *M*

Killingsworth, E. L., City Engr., Eng. Dept., City Hall, Big Spring, Tex. (Apr. '36) *MP*

Kilpatrick, Allen, Chief, Filtration Plants, Water & Sewerage, 3161 Joseph St., Verdun, Montreal, Que. (Jan. '48)

Kilpert, Richard, Designer, American Cyanamid Co., 30 Rockefeller Plaza, New York 20, N.Y. (Jan. '47) *PR*

Kimball, Clyde L., Route No. 1, Box 1320, Vista, Calif. (Oct. '43) *M*

Kimball, Jack H., 1412 Westwood St., Santa Ana, Calif. (Apr. '44) *MP*

Kimberly-Clark Corp., Research & Development Labs., C. R. Hackbert, Research Chemist, Neenah, Wis. (Corp. M. Jan. '47) *PR*

Kimble, Wilbur F., Water Supt., Battle Creek Township, 127 N. Territorial Rd., Battle Creek, Mich. (Apr. '48)

Kin, Stephen R., San. Engr., State Board of Health, 1098 W. Michigan St., Indianapolis, Ind. (Oct. '42) *M*

Kincaid, Russell G., Partner, Burns & McDonnell Eng. Co., Country Club Station, Box 7088, Kansas City 2, Mo. (Apr. '44) *PR*

Kindler, Edward J., Supt., Water Works, Huntington, Ind. (July '46)

King, Arthur C., Supt. & Clerk of Water Board, Water Works, City Hall, Taunton, Mass. (Oct. '43) *M*

King, Carleton L., Structural Eng. Assoc., Dept. of Water & Power, 207 S. Broadway, Los Angeles 12, Calif. (July '48)

King, Charles E., Supt., Water & Light Dept., 111 S. 2nd St., East Grand Forks, Minn. (Jan. '47)

King, Clyde B., *see* Arkansas City Water Dept.

King, Elizabeth (Miss), Bacteriologist, Memphis Branch Lab., State Dept. of Public Health, 874 Union Ave., Memphis, Tenn. (Jan. '46) *PR*

King, Elizabeth D. (Miss), Pres., Mechanicsburg Gas & Water Co., 53 W. Main St., Mechanicsburg, Pa. (Jan. '45)

King, F. H., Mgr., Alton Water Co., 101 E. Broadway, Alton, Ill. (Jan. '48)

King, George M., City Hall, Bridgeton, N.J. (Oct. '41) *P*

King, H. McKay, Prin. Engr., Camp Campbell, Ky. (July '39) *MP*

King, Harold, Supt., Water Works, 200 S. Michigan St., Plymouth, Ind. (Apr. '48)

King, John C., Secy.-Treas., Public Utilities Com., Port Dover, Ont. (Apr. '44)

King, Kenneth K., Gen. Mgr., C. S. Foreman Co., 1221 Baltimore Ave., Kansas City 6, Mo. (July '40) *M*

King, Leslie R., City Engr. & Mgr., Water Dept., Hobbs, N.M. (Oct. '46)

King, O. H., *see* Pacific States Cast Iron Pipe Co.

King, Oren L., City Mgr., Pendleton, Ore. (July '47)

King, R. M., Chief Engr., Layne-Arkansas Co., Stuttgart, Ark. (July '38) *R*

King, Richard, Asst. Prof. of Civ. Eng., Civ. Eng. Dept., Univ. of Michigan, Ann Arbor, Mich. (Apr. '48)

King, Roy S., *see* Midland Public Utilities Com.

Kingman, Dean S., Engr., L. Cedric Macabee, Cons. Engr., 156 University Ave., Palo Alto, Calif. (Jan. '46) *M*

Kingsbury, Harold N., Dist. Engr., State Board of Health, Box 31, Ashland, Wis. (Jan. '47)

Kingsley, George, Supt., Canal Point Water Co., Canal Point, Fla. (July '35) *M*

Kingston, S. P., Exec. Engr., St. Mary's Hospital, Rochester, Minn. (July '42)

Kingston, T. M. S., *see* Chatham Board of Water Comrs.

Kingston Public Utilities, F. J. Parker, Gen. Mgr., 19 Queen St., Kingston, Ont. (Corp. M. July '41) *M*

Kingston upon Hull Corp. Water Dept., T. H. Jones, Water Engr., Alfred Gelder St., Kingston upon Hull, England (Corp. M. Apr. '48)

Kingston Water Works Dept., John J. Byrne, Supt., City Hall, Kingston, N.Y. (Corp. M. Jan. '45)

Kinney, Edward F., Dist. Mgr., Wallace & Tiernan Co., Inc., 230 E. Ohio St., Indianapolis, Ind. (Apr. '38) *Fuller Award '44. P*

Kinney, James B., Mgr., Wallace & Tiernan, Ltd., 350 Sorauren Ave., Toronto 3, Ont. (Jan. '37) *P*

Kinsel, Harry L., Project Engr., Metcalf & Eddy, 1300 Statler Bldg., Boston 16, Mass. (July '35) *MP*

Kipp, Ed., Supt., Elec. & Water Dept., Marshfield, Wis. (Jan. '39) *MP*

Kipp, William H., Mgr., Waterworks Supplies Co., 4455 S.E. 24th Ave., Portland 2, Ore. (Apr. '40) *MP*

Kirby, Richard E., Certified Operator, City Water Dept., Ishpeming, Mich. (July '48)

Kirby, Robert Wingfield, Sr., Mgr., Mullens Water Works, Inc., Mullens, W.Va. (Oct. '24) *M*

Kirch, L. A., Chief Engr., Indiana Gas & Water Co., Inc., 1630 N. Meridian St., Indianapolis 2, Ind. (Jan. '44) *MP*

Kircher, A. M., Cons. Engr., 417 Van Brunt, Mankato, Minn. (Oct. '39) *MP*

Kirchoffer, William Gray, San. & Hydr. Engr., 22 N. Carroll St., Madison 3, Wis. (Jan. '23) *PR*

Kirk, Jack W., 12 Maitland St., London, Ont. (Apr. '44) *MP*

Kirkpatrick, William, Chief Engr., The Water Com., Cross Roads P.O., Jamaica, B.W.I. (July '34)

Kirkwood, A. C., Owner, A. C. Kirkwood & Assoc., Cons. Engrs., 123 Wirthman Bldg., Kansas City 3, Mo. (Apr. '48) *MPR*

Kitchener Water Com., J. C. Breithaupt, Chairman, City Hall, Kitchener, Ont. (Corp. M. Feb. '20)

Kitson, Sydney W., Mgr., Public Works Div., Worthington Pump & Machinery Corp., Harrison, N.J. (July '45)

Kittrell, Francis Wilson, Chief, Stream Sanitation Sec., Health & Safety Div., Tennessee Valley Authority, Knoxville, Tenn. (July '35) *R*

Kivari, A. M., Vice-Pres., Process Engrs., Inc., 6381 Hollywood Blvd., Los Angeles 28, Calif. (Sept. '31) *P*

Klaer, Fred Harlen, Jr., Dist. Geologist, Ground Water, U.S. Geological Survey, 205 Underwriters Bldg., 445 N. Pennsylvania St., Indianapolis 4, Ind. (Oct. '43) *R*

Klang, E. H., Supt., Water & Light Dept., Staples, Minn. (Apr. '39)

Klang, Marvin, Head Purchasing Agent, Dept. of Purchases & Supplies, Water Board Bldg., Detroit 26, Mich. (Affil. July '41) *P*

Klassen, Clarence W., Chief San. Engr., Div. of San. Eng., State Dept. of Public Health, Springfield, Ill. (Jan. '35) *P*

Klaumann, Charles H., Supt., Water Works, Iola, Kan. (Jan. '39) *M*

Klaus, Fred J., City Engr., 207 City Hall, Sacramento 14, Calif. (Oct. '15) *MP*

Klebenow, Reinhold H., Supt. of Water Distr., 1430 W. Canal St., Milwaukee 3, Wis. (July '40) *P*

Kleber, John P., Sales Engr., Dept. of Munic. & Process Waters, Calgon, Inc., 323—4th Ave., Box 1346, Pittsburgh 30, Pa. (July '41)

Klein, A. H., Supt., Light, Water & Sewers, South St., Huron, Ohio (Jan. '45)

Klein, Austin R., *see* Mishawaka City Water & Elec. Plant

Klein, George C., Lt.Col., 850th Engr. Avn. Bn., APO 227, c/o Postmaster, New York, N.Y. (Apr. '36) *MP*

Klein, William I., Cons. Engr., 21 Maple Terrace, East Orange, N.J. (July '13)

Kleinbach, Howard W., Structural Eng. Asst., Dept. of Bldg. & Safety, 202 City Hall, Los Angeles, Calif. (July '47)

Kleinhenz, John E., Publicity & Adv. Mgrs. Dept., Indianapolis Water Co., 113 Monument Circle, Indianapolis 6, Ind. (Apr. '44) *M*

Kleiser, Paul J., T. T. Hardman Assoc., Cons. Engrs., Hippodrome Bldg., Terre Haute, Ind. (Jan. '37) *M*

Klenzade Products, Inc., C. B. Shogren, Vice-Pres., Beloit, Wis. (Assoc. M. Oct. '44)

Klett Mfg. Co., Theodore J. La Manna, 179 E. 87th St., New York 28, N.Y. (Assoc. M. July '43)

Kliment, W. P., *see* Crane Co.

Klindt B., Pedro, Apdo. 1251, Caracas, Venezuela (Jan. '41)

Kline, Harry F., Jr., Chief Operator, Pinellas County Water System, R.F.D. 1, Box 50-B, Largo, Fla. (July '48)

Kline, J. D., Chief Engr., Public Service Com., 601 Barrington St., Halifax, N.S. (Jan. '45) *MP*

Knaff, A., *see* Burroughs Adding Machine Co.

Knapp, Frank, Supt., Water Dept., 17th St., Fair Lawn, N.J. (Jan. '40) *MPR*

Knapp, Kenneth J., City Engr., 118 City Hall Annex, Rochester 4, N.Y. (Apr. '45) *R*

Knauer, Charles W., Field Engr., Fairbanks, Morse & Co., 80 Broad St., New York 4, N.Y. (Jan. '45)

Kneale, John S., Dist. Repr., The Permutit Co., 517 Hamilton National Bank Bldg., Chattanooga 2, Tenn. (Jan. '47)

Knechtges, O. J., Civ. Engr., Mead & Hunt, Cons. Engrs., 550 State St., Madison 3, Wis. (Oct. '46) *PR*

Kneeland, Harry C., Water Analyst, 51 S. Jackson Ave., Pittsburgh 2, Pa. (Apr. '39)

Kneer, Vernon R., Engr., Alvord, Burdick & Howson, 1401 Civic Opera Bldg., Chicago 6, Ill. (Apr. '44) *P*

Knight, G. Webber, Mgr., Natrona Water Co., Natrona, Pa. (Dec. '25) *M*

Knight, H. R., Designing Engr., M. A. Sturgeon, Box 24, Franklin, Va. (Jan. '48)

Knight, Mark G., City Engr., Box 1771, Grand Coulee, Wash. (Jan. '48) *P*

Knight, Neal W., Hydr. Engr., 3900 Alhambra Circle, Coral Gables, Fla. (July '46)

Knill, William C., *see* Croydon Corp. Water Undertaking

Knittel, E. A., Water Supt., Box 227, Lynden, Wash. (July '35) *M*

Knodel, Adolph Robert, Assoc. Professional Scientist, State Water Survey Div., Dept. of Registration & Education, Chemistry Bldg., Box 232, Urbana, Ill. (July '45) *R*

Knoedler, H. A., *see* Inertol Co., Inc.

Knoell, Howard F., Town Mgr., Box 45, Orange, Va. (Oct. '41) *MP*

Knoener, Charles J., Dist. Mgr., The Pitometer Co., Inc., 1461 Western Ave., Albany, N.Y. (July '40)

Knowlton, E. C., Gen. Mgr., Water Dept., Anniston, Ala. (Jan. '40) *M*

Knowlton, Kenneth F., Supt. & Chemist, Salem & Beverly Water Supply Board, Arlington Ave., Beverly, Mass. (Jan. '43) *MPR*

Knox, W. H., Prin. Asst. Engr., State Dept. of Health, State Office Bldg., Columbus, Ohio (Jan. '27) *P*

Knox, W. J., Civ. Engr. & Land Surveyor, Box 26, Miami Springs, Fla. (July '44)

Knoxville Utilities Board, M. B. Whitaker, Supt., Water Bureau, 626 S. Gay St., Knoxville 11, Tenn. (Corp. M. May '23)

Knudsen, H. A., Mgr., Mech. & Elec. Div., East Bay Munic. Utility Dist., 512—16th St., Oakland 4, Calif. (Oct. '37) *M*

Kochendorfer, John S., Chief Chemist, Dept. of Water, Municipal Bldg., Dayton, Ohio (Oct. '42) *P*

Koebig, Adolf H., Jr., Cons. Engr., 821 Rowan Bldg., 458 S. Spring St., Los Angeles 15, Calif. (July '34)

Koelling, Harry F., Supt. of Public Service, Park Ridge, Ill. (July '48)

Kolb, T. A., San. Engr., State Board of Health, Wade Hampton Bldg., Columbia, S.C. (Apr. '41)

Kononoff, Alexis B., Cons. Engr., 620 N.W. 32nd St., Miami 37, Fla. (Oct. '43) *P*

Konsack, Walter W., Supt. of Water, Flossmoor, Ill. (July '42)

Koon, Ray Emerson, Stevens & Koon, Cons. Engrs., Spalding Bldg., Portland 4, Ore. (Feb. '22) *P*

Koopman, George, Township Engr., Wyoming Township, Kent County, Mich. (July '46) *MR*

Kopf, M. George, Mgr., Technical Specialties Co., 63 Virginia Ave., Dayton 10, Ohio (July '45) *P*

Kopp, Joseph P., D.A.C., 40th M.G. Co., Headquarters USAMGIK, APO 235, Unit 2, San Francisco, Calif. (Oct. '44) *MP*

Koppers Co., Inc., K. P. Stearns, Koppers Bldg., Pittsburgh 19, Pa. (Assoc. M. Mar. '25)

Korves, Albert A., 245 Ross Park, Syracuse 8, N.Y. (July '35) *M*

Kountz, R. Rupert, Asst. Prof. of San. Eng., Dept. of Civ. Eng., Pennsylvania State College, State College, Pa. (Apr. '41) *P*

Kovochich, Anton, Supt. of Filtration, Ford Motor Co., Iron Mountain, Mich. (Jan. '46) *MP*

Kozma, Albert B., San. Engr., c/o William C. Olsen, Cons. Engr., 406 Raleigh Bldg. & Lona Bldg., Raleigh, N.C. (Affil. Jan. '44) *P*

Kraft, Gerald G., Asst. Gen. Mgr., Kraft Chemical Co., 917 W. 18th St., Chicago 18, Ill. (Jan. '43) *MP*

Kramer, Howard H., *see* Petoskey, Mich., City of

Kramer, Warren A., Div. of Health, State Office Bldg., Jefferson City, Mo. (Mar. '27)

Krassy, Charles Michael, Supt. & Operator, Water Dept., Manville, N.J. (Jan. '37) *MPR*

Krause, John W., Chief Engr., Water Works, 131 S. Brainard Ave., La Grange, Ill. (Mar. '32) *MPR*

Krause, Keith S., Dist. San. Engr., Dist. Health Service No. 2, State Dept. of Health, 113 President Court, Mason City, Iowa (Jan. '47) *MPR*

Krauskoph, A. O., *see* Luling, City of

Krebs, Paul Barnard, Partner, Polglaze & Basenberg, Cons. Engrs., 1001–6 Empire Bldg., Birmingham 3, Ala. (July '46) *MPR*

Krehbiel, Theodore A., Partner, Krehbiel & Krehbiel, Civ. Engrs., 2992 Delaware Ave., Kenmore 17, N.Y. (Jan. '48) *P*

Kreibohm, R. J., Asst. Chief Engr., Water Works Com., 6100 Virginia Ave., Newport News, Va. (Jan. '48) *M*

Kreinheder, Jerome C., Director of Water, Div. of Water, 504 City Hall, Buffalo 2, N.Y. (Jan. '46) *MPR*

Krell, Abraham J., Water Treatment Div., The Layne-Texas Co., Ltd., 6419 Maple Ave., Dallas 9, Tex. (Apr. '39) *PR*

Kremer, Robert W., Dist. Engr., State Dept. of Health, Greensburg, Pa. (July '47)

Kress, M. A., Jackson Soft Water Service Co., 123 W. Wesley St., Jackson, Mich. (Oct. '46)

Kreuch, Paul C., Dist. Mgr., Pittsburgh Equitable Meter Div., 122 S. Michigan Ave., Chicago 3, Ill. (Apr. '42)

Krieger, John, Supt., Cons. Mutual Water Co., 845 Fenton St., Denver 14, Colo. (Oct. '41)

Kriegsheim, Heinrich, 200 W. 86th St., New York 24, N.Y. (May '15) *PR*

Kriesel, Fred, Supt., Water & Light Dept., Ortonville, Minn. (Jan. '39)

Kroeber, Frederick V., Central States Repr., Inertol Co., 437 N. Orleans St., Chicago 10, Ill. (July '40) *P*

Kroeller, Louis E., Supervisor, Conduit Maint., Dept. of Public Works, Div. of Water, 40 Seymour Ave., Newark, N.J. (Oct. '47) *M*

Kroeze, H. A., Director, Div. of San. Eng., State Board of Health, Jackson 113, Miss. (Jan. '38) *MPR*

Kroog, Alfred J., Dist. Repr., Walker Process Equipment, Inc., Box 9, Station E, Atlanta, Ga. (July '48)

Kroone, T. H., Dist. Mgr., The American Well Works, 320 Plymouth Bldg., Cleveland 15, Ohio (July '44)

Kroschwitz, Fred, Salesman, Mueller Co., 563 Cleardale Ave., Trenton 8, N.J. (July '40)

Krueger, William, *see* Tomahawk Munic. Water Utility

Kruger, Albert L., DeLeon Springs, Fla. (July '42) *P*

Krull, H. M., *see* Sterling, City of

Krum, Harry J., City Chemist, City Lab., Jefferson & Lawrence Sts., Allentown, Pa. (July '39) *P*

Krumbiegel, Edward Richard, Comr. of Health, Health Dept., 613 City Hall, 200 E. Wells St., Milwaukee 2, Wis. (Jan. '46) *P*

Kruse, J. W., *see* Lincoln City Water & Light Dept.

Krzyminski, Alex M., Supt., Water Dept., City Hall, Bay City, Mich. (Apr. '48)

Kuecker, Alvin J., Supt., Maint. & Distr. System, Water Dept., City Hall, Elgin, Ill. (Jan. '47) *MPR*

Kuehl, Julius A., Civ. Engr., Dept. of Public Utilities, Water Div., 402 City Hall, Tacoma, Wash. (Jan. '48) *MPR*

Kuehn, Nicholas H., Jr., San. Engr., Dept. of Public Works, Water Purif. Div., 3300 E. Cheltenham Pl., Chicago 49, Ill. (Jan. '40) *P*

Kuhn, H. H., *see* Hardware and Supply Co., The

Kuhn, Paul G., Chief Operator, Water Dept., 151 Whittlesey Ave., Norwalk, Ohio (Oct. '47)

Kuhns, Hayes R., The Leadite Co., Killbuck, Ohio (Sept. '30) *Fuller Award '42.*

Kulin, Harvey J., Partner, Couch & Kulin, Cons. Engrs., 312 E. Washington St., Indianapolis 4, Ind. (Oct. '39)

Kummel, Quinton H., Supt., Powell Valley Road Water Dist., 15311 S.E. Powell Blvd., Portland, Ore. (Apr. '48) *M*

Kunigk, Willibald Alphons, Supt., Water Div., Dept. of Public Utilities, 402 City Hall, Tacoma 2, Wash. (Aug. '24) *Director '30–'32. Fuller Award '38. MP*

Kunkle, Charles W., Vice-Pres. & Gen. Mgr., Johnstown Water Co., 332 Locust St., Johnstown, Pa. (June '24) *M*

Kunkle, Theodore P., Engr., Jones & Henry, 1938 Balkan Pl., Toledo, Ohio (July '48)

Kunz, A. T., *see* Wayne County Board of County Road Comrs.

Kuran, Orville G., Supt., Water Distr. Mains, Board of Public Utilities, 10th & Muncie, Kansas City, Kan. (Jan. '48) *MPR*

Kuranz, A. P., Mgr., Water Utility, Waukesha, Wis. (Oct. '31) *Fuller Award '41. Director '43–'46. M*

Kurtz, Donald L., Chief Engr., East Orange Pumping Station, 349 Parsonage Hill Rd., Short Hills, N.J. (Apr. '48)

Kurtz, William C., Chemist, Western New York Water Co., 1st St., Woodlawn Station, Buffalo 19, N.Y. (May '30) *PR*

Kyle, E. J., *see* Dresden, Town of

Kysar, J. P., Pres., K. W. Eng. Co., Inc., 2100 S. 56th St., Lincoln 6, Neb. (Jan. '47)

Laboon, John F., Cons. Engr., 1116 Berger Bldg., Pittsburgh, Pa. (July '48)

Labsap, Alfred H., Mgr., Water Dept., Box 659, Longview, Wash. (Dec. '27) *M*

Lacour, Leon, Supt., Water Works, Box 397, Bunkie, La. (Oct. '43) *M*

Lacy, Harold G., *see* Sunroc Refrigeration Co.

Ladd, E. J., Partner, Ladd Eng. Co., Box 66, Fort Payne, Ala. (Jan. '46)

Ladlow, John W., Mfrs. Sales Repr., Box 1784, Phoenix, Ariz. (July '47)

LaDue, Wendell R., Chief Engr. & Supt., Bureau of Water & Sewerage, 404 Municipal Bldg., Akron 8, Ohio (July '34) *Fuller Award '39. Director '39–'42: Vice-Pres. '46. President '47. MPR*

Lafayette Water Works, G. F. Gavan, Supt., Lafayette, Ind. (Corp. M. Dec. '37) *M*

Lafferty, Ernest L., Banner Elk, N.C. (Apr. '45) *P*

Lafontaine, Alcide, City Engr., City Hall, Valleyfield, Que. (Oct. '47)

Lafoon, Taylor L., Garlock Packing Co., 3216 Floyd Ave., Richmond, Va. (Oct. '44)

Lafrenière, T. J., Chief Engr., San. Eng. Div., Ministry of Health, 1570 St. Hubert St., Montreal 24, Que. (June '16) *Fuller Award '40. P*

LaGrange Park, Village of, Roy L. Wintermute, Water Dept., 447 N. Catherine Ave., LaGrange Park, Ill. (Corp. M. Apr. '44) *M*

La Grange Utilities, L. G. Tilton, Mgr., La Grange, Tex. (Corp. M. Jan. '47) *P*

Laguna Beach County Water Dist., Brayton S. Norton, Gen. Mgr., 306—3rd St., Laguna Beach, Calif. (Corp. M. May. '27) *M*

Lahey, J. Walter, Town Engr., Dartmouth, N.S. (July '47) *MPR*

Lain, George D., *see* American Iron & Steel Inst.

Laine, Gilbert J., Supt., Dept. of Water Works, Evansville, Ind. (Oct. '47)

Lake, George W., Hydr. Engr., Dept. of Lands & Forests, Water Rights Branch, Victoria, B.C. (Apr. '47)

Lake, Madeline Lynch (Mrs.), Water Bacteriologist, Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Oct. '34) *P*

Lake, Town of, Water Utility, Eugene J. Voelker, Supt., 4001 S. 6th St., Milwaukee 7, Wis. (Corp. M. Jan. '41) *M*

Lake Forest Water Dept., G. Leland Watson, Supt., City Hall, Lake Forest, Ill. (Corp. M. May '27) *MP*

Lakewood Water & Power Co., G. J. Strodthoff, Vice-Pres., 2965 E. Carson St., Long Beach 8, Calif. (Corp. M. Apr. '44)

LaLiberte, Paul, *see* Cutler-Magner Co.

Lalonde, J. A., Cons. Engr., J. A. Lalonde & Co., Ltd., 958 Dunlop Ave., Montreal 8, Que. (Apr. '47)

La Manna, Theodore J., *see* Klett Mfg. Co.

Lamar, Atwood A., Supt., Palisades Del Rey Water Co., 427 Moscow St., Playa Del Rey, Calif. (Oct. '43) *M*

Lamar, William L., Dist. Chemist, Ohio Basin Regional Lab., U.S. Geological Survey, 2820–22 E. Main St., Columbus, Ohio (Jan. '37) *R*

LaMarre, Rene J., 8979 Griggs Ave., Detroit 4, Mich. (Jan. '35) *Director '47–'50. MP*

Lamb, Carter H., Engr., Valuation Dept., Water Works Service Co., Inc., 50 Broad St., New York 4, N.Y. (Jan. '38) *M*

Lamb, H. R., Well Driller, 320 W. Main St., Carmel, Ind. (Apr. '48)

Lamb, Leonard J., Supt., Southfield Township Water Dept., 26080 Berg Rd., R. No. 3, Birmingham, Mich. (Apr. '43) *M*

Lambert, Elmo A., Water Works, Clarendon, Ark. (Apr. '48)

Lambert, Georges, San. Inspector, Prescott & Russell Health Unit, 33 Main St., W., Hawkesbury, Ont. (Apr. '47)

Lamela, Vincent F., *see* Belco Industrial Equipment Div.

La Mesa, Lemon Grove & Spring Valley Irrigation Dist., 4769 Spring St., La Mesa, Calif. (Corp. M. Apr. '39)

Lamon, Clarence D., Mgr., Water Works Board, 100 Clark St., Prichard, Ala. (Oct. '43) *M*

Lamon, H. J., *see* Austin Board of Water, Elec., Gas & Power Com.

Lamond, A. W., Water Analyst, Alexandria Water Co., 170 N. St. Asaph St., Alexandria, Va. (Feb. '32)

Lamontine, E. E., Supt., Water Works System, Box 769, Carlsbad, N.M. (Oct. '47) *M*

LaMotte, Frank L., *see* LaMotte Chemical Products Co.

LaMotte Chemical Products Co., Frank L. LaMotte, Pres., Towson, Baltimore 4, Md. (Assoc. M. May '26)

Lampman, K. J., Water Works Supt., Public Utilities Com., Exeter, Ont. (Jan. '37) *M*

Lamprecht, Joseph, Cons. Engr., Manlius Rd., Fayetteville, N.Y. (Oct. '45) *PR*

Lancaster, Ben E., Supt., Water Works, Roanoke Rapids San. Dist., Municipal Bldg., Roanoke Rapids, N.C. (Oct. '42) *M*

Lancaster, Ralph H., Supt., Board of Public Works, Kearney, Neb. (Apr. '43) *M*

Landel Metropolitan Dist., Dale W. Granger, Dist. Engr., Box 236, S. Lansing Station, Lansing 9, Mich. (Corp. M. July '47) *M*

Landes, Jerry, Supt., Water Dept., Normal, Ill. (Jan. '48)

Landgraf, George F., 613 Lloyd Ave., Royal Oak, Mich. (Apr. '39) *M*

Lane, Alton D., Supt., Water Works, City Hall, 488 E. Tulare St., Dinuba, Calif. (Jan. '46)

Lane, Carl Deal, Asst. Dept. Mgr., Operation Dept., Shell Chemical Corp., Dominguez Refinery, Box 728, Wilmington, Calif. (July '47)

Lane, Everitt B., *see* Grosse Pointe Park, Village of

Lane, Graham Bowers, Medical Officer of Health, Porcupine Health Unit, Municipal Bldg., Timmins, Ont. (July '46)

Lane, John C., Sales Engr., Johns-Manville Sales Corp., 116 New Montgomery St., San Francisco 5, Calif. (Jan. '41)

Lane, Lafayette Emmett, Cons. Engr., Masonic Temple Bldg., Willmar, Minn. (Apr. '47) *PR*

Lanford, Carl C., Supt., Com. of Public Works, Greer, S.C. (Oct. '41) *MP*

Lang, Franklin, Pres. & Gen. Mgr., Feedwaters, Inc., 140 Cedar St., New York 6, N.Y. (Feb. '30) *P*

Lang, Warner J., *see* Waterloo Water Works

Lang, William Harvey, San. Engr., Esso Eng. Dept., Standard Oil Development Co., Box 37, Elizabeth B, N.J. (Oct. '42) *PR*

Langdon, Bernard J., San. Engr., State Board of Health, Butler County Health Dept., El Dorado, Kan. (Jan. '47)

Langdon, Paul E., Partner, Greeley & Hansen, 220 S. State St., Chicago 4, Ill. (Oct. '41) *PR*

Lange, Kenneth W., Contracting Engr., Chicago Bridge & Iron Co., 22 Battery St., San Francisco 11, Calif. (Jan. '48) *M*

Langelier, Wilfred F., Prof. of San. Eng., 213 E.M.L., Univ. of California, Berkeley, Calif. (Feb. '23) *Goodell Prize '43. P*

Langford, Fred, Asst. Supt., Union Bleachery, Greenville, S.C. (July '45) *M*

Langlois, Charles, City Engr., 1445 Maguire Ave., Sillery, Que. (Apr. '47)

Langner, Arnold W., Sr., Supt., Light, Water & Sewage Depts., Board of Public Utility Com., Sheboygan Falls, Wis. (Oct. '41) *MR*

Languell, Louie, Supt., Water Works & Purif. Plant, Salem, Ind. (Apr. '39) *MP*

Lanigan, R. L., 4071 Scheller Pl., St. Louis 16, Mo. (Apr. '46) *P*

Lanigan, Roy A., Supt., Water Dept., 1454 Balboa Ave., Burlingame, Calif. (Apr. '47)

Lankford, Alexander F., Supt., Water Works Management Div., Water Works Board, Box 271, Gadsden, Ala. (Oct. '44) *MP*

Lansdale Munic. Authority, C. R. Ridington, Supt., Water Dept., 2nd & Chestnut Sts., Lansdale, Pa. (Corp. M. Jan. '44) *MPR*

Lansing Board of Water & Elec. Light Comrs., Otto E. Eckert, Gen. Mgr., Lansing 3, Mich. (Corp. M. June '29)

Lanterman, W. G., City Mgr., City Hall, Alma, Mich. (Apr. '48)

La Porte Water Works, W. E. Flickinger, Supt., Lake & Tyler Sts., La Porte, Ind. (Corp. M. July '37)

Lapp Insulator Co., Inc., Lawrence F. Wilson, Process Equipment Div., LeRoy, N.Y. (Assoc. M. Jan. '46)

Lapworth, Charles Frank, Limen, Orchehill Ave., Gerrards Cross, Bucks, England (July '45)

Laramy, Jack B., Asst. Dist. Mgr., Worthington Pump & Machinery Corp., 400 W. Madison St., Chicago 6, Ill. (Apr. '44) *PR*

Larchmont, Village of, Arthur Richards, Engr. & Supt., Public Works, Municipal Bldg., Larchmont, N.Y. (Mun. Sv. Sub. Jan. '45) *M*

Laredo Water Works System, Hal T. Ellsworth, Gen. Mgr., Laredo, Tex. (Corp. M. July '46) *M*

Larkin, William H., Dist. San. Engr., State Dept. of Health, Div. of Sanitation, 15 Maiden Lane, New York 7, N.Y. (Apr. '30) *PR*

Larned Water Dept., Leo Meyers, Utilities Supt. & City Engr., City Hall, Larned, Kan. (Corp. M. Oct. '44)

LaRoche, George F., Water Comr., Water Dept., City Hall, Faribault, Minn. (Apr. '45) *MPR*

Larsen, George, Water Works Supt., Bowman, N.D. (Jan. '48)

Larson, C. C., Chemist & Supt. of Water Purif., City Water, Light & Power Dept., Springfield, Ill. (July '43) *P*

Larson, Harry, Lt.Col., 725 Cooper Bldg., 1009—17th St., Denver 2, Colo. (Oct. '41) *P*

Larson, Linné C., Member of Firm, Taylor & Taylor, Cons. Engrs., 725 S. Spring St., Los Angeles 14, Calif. (Apr. '36) *MPR*

Larson, Thurston E., Chemist & Head of Chemistry Subdiv., State Water Survey, Urbana, Ill. (July '37) *PR*

Lasaga, Andres, c/o Junta Federal de Mejoras Materiales, N. Leardo, Tamaulipas, Mexico (Jan. '43) *M*

Lasell, Fred B., Chemist, Metropolitan Utilities Dist., Water Dept., Harney at 18th St., Omaha 2, Neb. (Jan. '34) *P*

Lasley, James B., Eng. Dept., The Springs Cotton Mills, Lancaster, S.C. (July '45) *MP*

Lassiter, Leroy Irving, San. Engr., Consolidated Board of Health, Wilmington, N.C. (May '26) *P*

Lasso, Alfredo F., Ing. Civ., Presidente Roca 736, Rosario de Santa Fe, Argentina (Sept. '17)

Latham, James K., Member of Firm, Howard K. Bell, Cons. Engrs., 553 S. Limestone St., Lexington 17, Ky. (Oct. '39) *MP*

Lathrop, Thomas R., Asst. Engr., State Dept. of Health, Columbus 15, Ohio (Jan. '25) *Fuller Award '40. P*

Latta & Fent, Ground Water Geologists, Bruce F. Latta, Box 720, Salina, Kan. (Corp. M. Apr. '47)

Latta, Bruce F., *see* Latta & Fent

Laubach, Walter J., Chief Operator, City Purif. Plant Div., Wooster, Ohio (Jan. '48) *P*

Lauenstein, Carl A., Civ. Engr., Water Dept., 425 Mason St., San Francisco 2, Calif. (July '46) *MR*

Lauer, C. O., Pres. & Gen. Mgr., Gardiner Elec. Light & Water Co., Gardiner, Mont. (July '31)

Laughlin, Henry F., Chief Chemist, Industrial Chemical Sales Div., West Virginia Pulp & Paper Co., 1005 Jefferson Ave., Tyrone, Pa. (Jan. '36) *P*

Lauman, C. W., & Co., Inc., Herman E. Lauman, Pres., 50 Church St., New York 7, N.Y. (Assoc. M. Oct. '44)

Lauman, Herman E., *see* Lauman, C. W., & Co., Inc.

Launer, Nelson M., Pres. & Mgr., Desert Hot Springs Water Co., R.F.D. 1, La Habra, Calif. (Oct. '37)

Lauramore, Horace H., Salesman, Johns-Manville Sales Corp., Indus. Products Div., 319 Graham Bldg., Jacksonville 2, Fla. (Oct. '42)

Laurence, Daniel C., Supervisor, Commercial Div., Water Works, 142 City Hall, Cincinnati 2, Ohio (Oct. '47) *M*

Lauter, Carl J., Sr. Chem. Engr., U.S. Corps of Engrs., Washington Div., Purif. & Operation, Washington, D.C. (Apr. '22) *Fuller Award '42. Director '45-'48. P*

Laux, Otto J., *see* Franklin Square Water Dist.

Lavelle, John, Asst. Supt., Water Distr. Div., Dept. of Water & Power, 207 S. Broadway, Los Angeles 12, Calif. (Oct. '32) *M*

Laverty, Finley B., Chief Hydr. Engr., Los Angeles County Flood Control Dist., 751 S. Figueroa St., Los Angeles 14, Calif. (Oct. '43) *MPR*

Lavigne, Wilfrid, Supt., Sainte-Anne-de-Bellevue, Que. (Apr. '47)

Laville, L. P., Pres., Iberville Parish, Water Works Dist. No. 1, Plaquemine, La. (July '48)

Lawlor, Joseph P., Pres., General Filter Co., Ames, Iowa (Jan. '36) *P*

Lawrence City Water Dept., F. A. Russell, Chairman, Water Works Com., 302 Marvin Hall, Univ. of Kansas, Lawrence, Kan. (Corp. M. Feb. '27) *Director '46-'49.*

Lawrence, Frederick H., 145 W. Sharpnack St., Philadelphia 19, Pa. (Mar. '24) *P*

Lawrence, Glen C., Supt., Water Works, Galveston, Ind. (Oct. '44) *M*

Lawrence, J. Warren, Mgr., West Penn Water Co., McDonald, Pa. (Jan. '46) *M*

Lawrence, John A., Chlorine Distributor, 1226 S. Cedar St., Ottawa, Kan. (Apr. '46)

Lawrence, R. E., Cons. Engr., 2205 W. 49th Terrace, Kansas City 2, Mo. (May '28)

Lawrence, Robert L., Jr., Director, Water Works Dept., City Hall, Nashville 3, Tenn. (June '34) *MPR*

Lawrence, Walter B., Research Engr., Univ. of California, 1519 Walnut St., Berkeley 9, Calif. (Jan. '44) *P*

Lawson, Hugh C., Mgr., Los Angeles Branch, Rensselaer Valve Co., 743 Subway Terminal Bldg., Los Angeles 13, Calif. (Apr. '37)

Lawson, Oscar, *see* Mimico Public Utilities Com.

Lawson, Warren Robert, Asst. Public Health Engr., State Dept. of Health, Div. of Sanitation, University Campus, Minneapolis 14, Minn. (Jan. '47) *P*

Lawson, Wilfrid S., Chief Penitentiaries Engr., Dept. of Justice, Ottawa, Ont. (Apr. '42) *P*

Layne & Bowler, Inc., W. H. Reeves, Vice-Pres., Box 215, Hollywood Station, Memphis 8, Tenn. (Assoc. M. June '16)

Layne-Atlantic Co., R. R. Schweitzer, Chief Engr., Box 1568, Norfolk 1, Va. (Assoc. M. Apr. '30)

Layson, C. S., *see* Harlan Munic. Water Works

Lazell, George, Supt., Filter Plant, Big Rapids, Mich. (July '46)

Lea, H. W., Cons. Engr., 1226 University St., Montreal 2, Que. (Jan. '48) *PR*

Leach, Walter L., Prin. Engr., Havens & Emerson, 233 Broadway, New York 7, N.Y. (July '43) *P*

Lead Industries Assn., David M. Borcina, Admin. Asst., 420 Lexington Ave., New York 17, N.Y. (Assoc. M. Jan. '38)

Lead Lined Iron Pipe Co., Thomas E. Dwyer, Pres., Box 150, Wakefield, Mass. (Assoc. M. Oct. '98)

Leadite Co., Inc., The, George McKay Jr., Pres., Girard Trust Company Bldg., Philadelphia 2, Pa. (Assoc. M. Feb. '10)

Leaf, R. A., Supervisor of Distr., Bureau of Water, 29th & Cambria Sts., Philadelphia, Pa. (Oct. '44)

League of Texas Municipalities, C. C. Crutchfield, Field Consultant, 2220 Guadalupe St., Austin, Tex. (Corp. M. July '47) *MPR*

Leahey, Edward F., Supt. of Elec. Constr., Dept. of Water & Power, 410 Ducommun St., Los Angeles 12, Calif. (July '42) *M*

Learned, Albert P., Prin. Engr., Black & Veatch, Cons. Engrs., 4706 Broadway, Kansas City 2, Mo. (May '22) *MPR*

Leary, Charles J., Route No. 4, Greenfield, Ind. (Oct. '45)

Leary, Dennis M., Jr., Pres. & Gen. Mgr., Stoco Water & Development Co., 305—4th St., Beckley, W.Va. (Jan. '47) *MPR*

Leary, George K., Mgr., The Butler Water Co., 120 E. Cunningham St., Butler, Pa. (Jan. '46)

Leaver, C. O., Dist. Repr., Electro Rust-Proofing Corp., 4030 Chouteau Ave., St. Louis 10, Mo. (July '44) *MP*

Leaver, Robert Edmund, Sr. Public Health Engr., Eng. Sec., State Dept. of Health, 1412 Smith Tower, Seattle 4, Wash. (Jan. '41) *P*

LeBosquet, Maurice, Jr., Water & Sanitation Investigations, U.S. Public Health Service, 302 Kroger Bldg., Cincinnati 2, Ohio (July '35) *PR*

LeClerc, Arthur B., Sales Engr., T. C. Heyward, 1408 Independence Bldg., Charlotte, N.C. (Jan. '40) *P*

Lee County Health Dept., R. G. Thomas, San. Engr., 123 E. 1st St., Dixon, Ill. (Corp. M. Jan. '48)

Lee, Charles H., Cons. Engr., 58 Sutter St., San Francisco 4, Calif. (Mar. '12) *R*

Lee, Chris C., Supt., Water & Light Com., Wisconsin Dells, Wis. (Jan. '43)

Lee, David B., Chief San. Engr., State Board of Health, Box 210, Jacksonville, Fla. (July '41) *Director '48–'51. PR*

Lee, Dorothy McCulloch, *see* Portland Bureau of Water Works

Lee, Edward G., Mgr., Missouri Water Co., 1117 Main St., Lexington, Mo. (Oct. '45)

Lee, Ernest F., Supt., Public Works, Lake Jackson, Tex. (Jan. '47) *MP*

Lee, F. M., *see* Melbourne & Metropolitan Board of Works

Lee, George S., Chemist & Bacteriologist, Water Works, Ottumwa, Iowa (Jan. '47) *P*

Lee, Georgia (Miss), *see* Port Hope Water Works Com.

Lee, John Douglas, Asst. Prof., Dept. of Civ. Eng., Queen's Univ., Kingston, Ont. (Oct. '43) *PR*

Lee, Lester, Cons. Engr., 2212 E. Linnwood Ave., Milwaukee 11, Wis. (Apr. '44) *M*

Lee, Ming, 1105 W. Clark St., Champaign, Ill. (Jr. M. July '46)

Lee, Robert B., Supt., Water Works, City Hall, Bedford, Ind. (Jan. '45)

Lee, Scott M., Supt., Water Dept., City Hall, Arcadia, Calif. (June '27) *M*

Lee, W. Howard, Comr., Dept. of Public Works, Parsippany Troy Hills, Box 85, Denville, N.J. (Oct. '40)

Lee, William Boyd, Asst. Engr., East Bay Munic. Utility Dist., 512—16th St., Oakland 4, Calif. (Jan. '47)

Leedom, Laurie M., Constr. Engr., Div. of Water, 101 City Hall Annex, Newark 2, N.J. (Oct. '45) *M*

Lees, W. Gordon, *see* Barnsley, County Borough of

Leeson, Harold W., Sales Engr., Builders Pacific, Inc., 2085 Belgrove Ave., Huntington Park, Calif. (July '46)

LeFeber, Alfred, Cons. Engr., Temple Bar Bldg., Cincinnati, Ohio (Jan. '47)

Lefever, Kenneth W., Cons. Engr., 303 Gazette Bldg., Little Rock, Ark. (Apr. '47) *PR*

Leggett, Ilow Waddell, Sales Engr., Worthington Pump & Machinery Corp., 2225 Providence Rd., Box 1914, Charlotte, N.C. (Apr. '45) *P*

Leggette, R. M., Cons. Ground Water Geologist, 551—5th Ave., New York 17, N.Y. (Jan. '45) *R*

Leh, Willard, San. Engr., Headquarters U.S. Air Force, Washington 25, D.C. (Apr. '39) *P*

Lehde, W. F., Plant Supervisor, 5211 Leeland, Houston, Tex. (Oct. '46)

Leist, Ervin F., Public Utilities Mgr., Dept. of Water & Sewage, Circleville, Ohio (July '46) *MP*

Leistikow, William F., Supt., Water Works, City Hall, Wausau, Wis. (Jan. '41) *M*

Leitch, Kelvin D., Treas., Arthur S. Leitch Co., Ltd., 1123 Bay St., Toronto, Ont. (July '42) *P*

LeJeal, M. L., Salesman, Hays Mfg. Co., 801 W. 12th St., Erie, Pa. (Jan. '48)

Le Jeune, Robert C., Sales Repr., Electro Rust-Proofing Corp., 1229 W. Washington Blvd., Chicago, Ill. (Jan. '48) *R*

Leland, Benn J., Chief San. Engr., Cook County Dept. of Public Health, 737 S. Wolcott Ave., Chicago 12, Ill. (Jan. '42) *MPR*

Leland, Raymond I., Jr. Civ. Engr., San. Div., San. Dist. of Chicago, 910 S. Michigan Ave., Chicago 5, Ill. (Jan. '39) *P*

Lemasters, Paul R., Sr. Engr., Indianapolis Water Co., 113 Monument Circle, Indianapolis 6, Ind. (Jan. '47)

Lemert, R. C., Asst. Southern Sales Mgr., U.S. Pipe & Foundry Co., 1711 First National Bldg., Birmingham 3, Ala. (Oct. '39)

Lemieux, Roland A., Mgr. & Engr. in Charge, City of Arvida, City Office, Box 2, Arvida, Que. (Apr. '47) *MPR*

Lemler, S. F., *see* Riviera Utilities Water Dept.

Lemon, L. W., Mgr., Lead Belt Water Co., 102 E. School St., Bonne Terre, Mo. (Apr. '45)

Lemon, Paul H., Supt., Water & Sewer Maint. Div., Dept. of Public Works, 641 S. Water St., Saginaw, Mich. (Oct. '47)

Lendall, Harry Nelson, Prof. of Munic. & San. Eng., Chairman, Dept. of Civ. Eng., College of Eng., Rutgers Univ., New Brunswick, N.J. (Mar. '23) *Director '41–'44. Fuller Award '47. PR*

Lenert, Louva G., Assoc. Engr., State Dept. of Public Health, 245 State Office Bldg., Atlanta, Ga. (Mar. '32) *Director '33–'36.*

Lenhardt, Laurence G., Gen. Mgr., Board of Water Comrs., 735 Randolph St., Detroit 26, Mich. (June '20) *Fuller Award '40. Director '41–'44. M*

Lenz, Arno T., Assoc. Prof. of Civ. Eng., Univ. of Wisconsin, Hydr. Lab., Madison 6, Wis. (July '45) *R*

Leon D., Ernesto, Cons. Engr., Apdo. 1404, Caracas, Venezuela (Apr. '40)

Leonard, Arthur S., Culligan Zeolite Co., Northbrook, Ill. (Apr. '47)

Leonard, Charles, Water Supt., Woodward, Okla. (Oct. '44)

Leonard, Hobart, Supt., The Virginia City Water Co., Virginia City, Nev. (July '42)

Leonard, O. M., Design Engr., Water & Wastes Purif. Boyd E. Phelps, Inc., Engrs., 232 Franklin St., Michigan City, Ind. (Oct. '46) *MP*

Leonard, W. V., Director, Div. of Indus. Hygiene, State Board of Health, 315 W. 20th St., Cheyenne, Wyo. (Apr. '39) *Fuller Award '47. P*

Leopold, Frederick O., Pres., F. B. Leopold Co., Inc., 2413 W. Carson St., Pittsburgh 4, Pa. (Jan. '44) *P*

Lerchen, Frank H., *see* Panama Canal, The

LeRoyer, Albert, Water Works Supt., Water Works, 219 Riverside Drive, St. Lambert, Que. (Apr. '47)

Lesher, W. L., *see* Burley, City of

Leshkow, Nick, Supt., West Virginia Water Service Co., 100 Scott St., Princeton, W.Va. (Apr. '46) *MP*

Lessard, L. P., Mgr., Transite Pipe Sec., Johns-Manville Sales Corp., 222 N. Bank Drive, Chicago 54, Ill. (Apr. '42) *M*

Lesslie, J. D., Chemist, Springs Cotton Mills, Fort Mill, S.C. (Apr. '42)

Lesslie, John N., Jr., Supt. of Operations, Water & Sewage Dept., 310 W. Kerr St., Salisbury, N.C. (Jan. '39)

Lester, John W., Chem. Engr., Tech. Sec., E. I. Du Pont de Nemours & Co., Sabine River Works, Orange, Tex. (Jan. '39) *P*

Leveque, Roland J., Sales Mgr., Omega Machine Co., Div. of Builders Iron Foundry, 9 Codding St., Providence 1, R.I. (Apr. '38) *P*

Levine, Max, Territorial Board of Health, Honolulu, Hawaii (Nov. '21)

Levy, A. G., Engr. of Constr. & Surveys, Div. of Water & Heat, Dept. of Public Utilities, 604 Auditorium Bldg., Cleveland 14, Ohio (May '10) *MP*

Lewis, Albert W., Sales Agent, U.S. Pipe & Foundry Co., 309 Park Bldg., 104 Public Square, Cleveland 14, Ohio (Jan. '39) *P*

Lewis, Frank L., *see* Mena Water Works

Lewis, Fred J., Dean, School of Eng., Kirkland Hall, Vanderbilt Univ., Nashville 4, Tenn. (Jan. '39)

Lewis, George A., Hydrographer, Los Angeles Dept. of Water & Power, 207 S. Broadway, Los Angeles 12, Calif. (Jan. '48) *R*

Lewis, Harry, Pres., Peerless Service Co., Orion, Ill. (Jan. '45)

Lewis, J. E., Supt., Yorba Linda Water Co., Yorba Linda, Calif. (Oct. '29) *M*

Lewis, John V., Director, Bureau of Maint. & Operation, Dept. of Public Works, 54 Court St., Rochester 4, N.Y. (Feb. '21) *M*

Lewis, Lee S., Asst. Supt., Water Dept., 140 Franklin St., Mountain View, Calif. (July '47)

Lewis, Oliver C., Dist. Engr., Layne-New York Co., Inc., 431 Market St., Camden, N.J. (Apr. '46) *PR*

Lewis, Ray Cherry, Southeastern Mgr., Neptune Meter Co., 254 Spring St., N.W., Atlanta, Ga. (Jan. '41)

Lewis, Robert F., Aqueduct & Reservoir Foreman, 122 Angelus Ave., San Gabriel, Calif. (Jan. '39) *M*

Lewis, William M., Vice-Pres., Layne-New York Co., 92 Liberty St., New York, N.Y. (Jan. '37) *PR*

Lewis, William C., Box 612, Anchorage, Alaska (Jan. '46)

Lewis, Willis H., Prin. Engr., Div. of San. Eng., State Dept. of Public Health, 420—6th Ave., N., Nashville 3, Tenn. (Jan. '43) *P*

Ley, Peter, Plant Mgr., Jamaica Water Supply Co., 161-20—89th Ave., Jamaica 1, N.Y. (Jan. '36) *MP*

Libbey-Owens-Ford Glass Co., V. W. Frederick, Chief Chemist, Rossford, Ohio (Corp. M. Oct. '41) *MPR*

Libby, Frank D., Mgr. of Paper Mfg., Kalamazoo Vegetable Parchment Co., Kalamazoo 99, Mich. (May '23) *P*

Liberty Water Works, Joseph Griebel, Supt., Liberty, N.Y. (Corp. M. Dec. '43)

Licht, Carl M., Sales Engr., Tested Appliances Co., 2627 W. 19th St., Chicago 8, Ill. (Jan. '48)

Liddle, Elmo G., Exec. Secy. & Treas., Plumbing & Drainage Mfrs. Assn., 18925 Grand River Ave., Detroit 23, Mich. (Apr. '43) *P*

Lieberman, J. A., Civ. Engr., Div. of Water Resources Management, Southeastern Forest Expt. Station, Box 252, Asheville, N.C. (Apr. '47)

Liebetrau, F. E., Comr., Public Works, Roundup, Mont. (Jan. '48)

Liedholz, G. W., Dist. Mgr., National Aluminate Corp. (Chicago), 1315 Fountain St., Ann Arbor, Mich. (Oct. '45) *P*

Liffen, John James, Chief Engr., Associated London Properties, Ltd., St. Ermins, Caxton St., Westminster, London, England (July '38) *M*

Light, Kenneth, Water Supt., Steilacoom, Wash. (Jan. '47)

Lightfoot, H. C., *see* Payette Water Dept.

Lightner, Clint, Supt. of Utilities, Garden City, Kan. (Apr. '48)

Lill, John R., Supervisor, Production Dept., Mutual Chemical Co. of America, 1348 Block St., Baltimore, Md. (Apr. '43) *P*

Lilly, J. C., City Auditor, Accounting Dept., Amarillo, Tex. (Oct. '47) *M*

Lilly, Rodman Grizzard, Chemist, State Water Control Board, 815 E. Franklin St., Richmond, Va. (Oct. '47) *P*

Lilue, Enrique E., Chief Engr. & Supt., Water Works, Box 486, Caracas, Venezuela (Oct. '39)

Lima, David O., Testing Eng. Generation Dept., Oklahoma Gas & Elec. Co., Box 1498, Oklahoma City, Okla. (Jan. '48)

Limestone Products Corp. of America, Peter J. Kelley, Sales Repr., Newton, N.J. (Assoc. M. Apr. '41)

Lincoln City Water & Light Dept., J. W. Kruse, Bus. Mgr., City Hall, Lincoln 8, Neb. (Corp. M. Mar. '19) *M*

Lindeen, Leonard F., Foreman, Meter Div., Water Dept., Box 143, Wilmette, Ill. (Jan. '46)

Lindell, O. V., Mgr., Central Div., The Dorr Co., 221 N. LaSalle St., Chicago 1, Ill. (July '48)

Linden, Robert T., Asst. Plant Supervisor, Fort Meade Water Dept., 1222 N. Bentalou St., Baltimore 16, Md. (Apr. '43)

Lindenman, Carl H., Asst. to the Pres., Layne-Northwest Co., 6005 W. Martin Drive, Milwaukee 13, Wis. (Jan. '48) *R*

Linderman, S. E., Exec. Vice-Chairman, Cast Iron Pipe Inst., 1006 Warner Bldg., Washington 4, D.C. (Jan. '37) *M*

Lindner, J. Leonard, *see* Bayonne, City of

Lindsey, R. M., Supt. of Utilities, City Hall, Humboldt, Kan. (Jan. '47)

Lindsten, H. C., Dist. Mgr., Wallace & Tiernan, Ltd., 301 Bank of Hamilton Bldg., Winnipeg, Man. (Dec. '29) *P*

Link, Roy E., Supt., 2460 Florence Ave., Huntington Park, Calif. (Jan. '42) *M*

Linn, Gordon L. E., *see* Duhernal Water System

Linthicum, Howard M., Supervising Engr., Div. of Planning, Dept. of Water & Sewers, Box 4821, Miami 31, Fla. (Jan. '48) *MPR*

Linton Munic. Water Co., W. C. Taylor, Supt., Linton, Ind. (Corp. M. Apr. '46) *M*

Linton, William Thomas, Prin. San. Engr., State Board of Health, Wade Hampton Office Bldg., Columbia, S.C. (Jan. '46) *PR*

Lipke, Gerald G., Dist. Engr., Calgon, Inc., 4745 W. Hayward Pl., Denver, Colo. (Oct. '46)

Liquid Conditioning Corp., S. B. Applebaum, Pres., 114 E. Price St., Linden, N.J. (Assoc. M. Jan. '48)

Lischer, Vance C., Cons. Engr., Horner & Shifrin, 803 Shell Bldg., St. Louis 3, Mo. (Jan. '35) *Goodell Prize '38. MP*

Little, B. C., 94 Westminster Rd., Rochester 7, N.Y. (June '03) *Trustee '18–'20. President '21. Exec. Com. '22–'23. Secretary '26–'36. Secretary Emeritus '36–. Honorary M. '39. M*

Little, Herman J., *see* South Penn Oil Co.

Little Rock Munic. Water Works, Board of Comrs., Robinson Memorial Auditorium, Little Rock, Ark. (Corp. M. Jan. '38) *M*

Lively, James P., Pres., Gauley Bridge Water Co., Box 2307, Charleston, W.Va. (Oct. '46) *MPR*

Livingston, L. E., Dist. Repr., Atlas Mineral Products Co., 3921 Purdue St., Dallas 5, Tex. (Jan. '43)

Livingston, Vern, Mgr., Elec., Water & Sewer Depts., Public Utilities, 1112 Jackson St., Sidney, Neb. (Jan. '47) *M*

Livingston Water Dept., Ernest J. Bear, Supervisor of Water & Sewers, 107 Hillside Ave., Livingston, N.J. (Corp. M. Jan. '38)

Livingstone, Bard, *see* San Bernardino Board of Water Comrs.

Lloyd, Ernest B., Chief Engr. & Chemist, Water Works, 279 Moseley St., Elgin, Ill. (July '35) *P*

Lloyd, George A., *see* Ballston Spa Water Dept.

Lloyd, J. M., Supt., Water Dept., City Hall, Tyler, Tex. (Oct. '39)

Lloyd, M. P., *see* Hillsboro Water Dept.

Lloyd, Melvin G., Supt., Munic. Water Works, 110 E. 126th St., Hawthorne, Calif. (Oct. '43) *MP*

Lobb, John Everett, San. Engr., City Health Dept., 6 Robert St., Fargo, N.D. (July '43) *P*

Lobo Guerrero, Luis, San. & Civ. Engr., Apdo. No. 409, Bogota, Colombia (Jan. '35)

Lochridge, Elbert E., Box 1847, Springfield 1, Mass. (July '06) *MP*

Lock Joint Pipe Co., F. F. Longley, Vice-Pres., Box 269, East Orange, N.J. (Assoc. M. Oct. '15)

Lockner, R. J., Street & Water Supt., Box 123, Cooperstown, N.D. (July '45) *MP*

Lockwood, Agar M., Lockwood & Co. S.R.L., Moreno 750, Buenos Aires, Argentina (July '48)

Lockwood, Frank G., Mgr., Lockwood & Co. S.R.L., Moreno 750, Buenos Aires, Argentina (Jan. '42) *P*

Lockwood, H. T., Domestic Water Foreman, 101 Main St., Penticton, B.C. (Jan. '47)

Lofquist, H. B., *see* Oakville Water & Light Com.

Logan, J. O., *see* Mathieson Chemical Corp.

Logan, J. Ross, *see* Haddonfield Borough Water Dept.

Logan, Kirk H., Research Assoc., Cast Iron Pipe Research Assn., National Bureau of Standards, Washington 25, D.C. (July '44) *M*

Logsdon, J. L., Gen. Mgr., Pacific Coast Factory, Mueller Co., 2801 E. 12th St., Los Angeles 23, Calif. (Jan. '45) *MP*

Logsdon, Ora, Water Supt., City Hall, Brighton, Colo. (Jan. '48)

Lohman Bros., Inc., Frank Carlton, 1449 S. San Pedro St., Los Angeles 15, Calif. (Assoc. M. July '39)

Lomax, J. H., Jr., Supt., Water Dept., Box 267, Denton, N.C. (Jan. '48) *MP*

Lombana, Isaac, Ingeniero Calculista, Leon & Disario, Mercedes a Salas No. 13, Caracas, Venezuela (Apr. '46)

Lompoc Light & Water Dept., E. A. Vaughan, Mgr., 118 N. H St., Box 456, Lompoc, Calif. (Corp. M. Apr. '30) *MR*

Londo, Harold L., *see* Green Bay Water Dept.

London Public Utilities Com., C. W. Eastwood, Office Mgr., City Hall, London, Ont. (Corp. M. Apr. '09) *M*

Long Beach Water Dept., Brennan S. Thomas, Gen. Mgr., 403 Municipal Utilities Bldg., Long Beach 2, Calif. (Corp. M. Oct. '31) *MPR*

Long Island State Park Com., Stanley J. Polek, Supt., Jones Beach State Park, Wantagh, N.Y. (Corp. M. Jan. '45) *P*

Long, Gilbert E., Supt., Fairhaven Water Co., 6 Bridge St., Fairhaven, Mass. (Apr. '44)

Long, Harry J., Sr. Storekeeper, Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Oct. '44) *M*

Long, Joe L., Jr., *see* Atlas Foundry & Machine Co.

Long, John S., Supt., Water Dept., Tampa 2, Fla. (May '33) *MP*

Long, Lester, *see* American Cast Iron Pipe Co.

Longley, F. F., Vice-Pres., Lock Joint Pipe Co., Box 269, East Orange, N.J. (July '07)

Longwell, John S., Chief Engr. & Gen. Mgr., East Bay Munic. Utility Dist., 512 —16th St., Oakland 4, Calif. (Oct. '31) *Director '42–'45.*

Loop, Alfred B., City Comptroller, Secy., Board of Water Comrs., City Hall, Bellingham, Wash. (Jan. '48) *M*

Loose, H. H., *see* Glendora Water Dept.

Lopez-Fuentes, Carlos, Civ. & San. Engr., Plaza de la Republica 55–505, Mexico, D.F., Mexico (Jan. '46)

Lord, Charles H., City Engr., Ogdensburg, N.Y. (June '29) *M*

Lord, Clifton E., Jr., Gen. Mgr., Zeolite Chemical Co., Medford, N.J. (Apr. '48)

Lord, Herbert F., Supt. of Water, Fostoria, Ohio (July '48)

Lordley, H. E., Asst. Chief Engr., Dept. of Public Utilities, 317 City Hall, Richmond, Va. (Jan. '36) *P*

Lordsburg Water Dept., S. H. Gass, Supt., Box 456, Lordsburg, N.M. (Corp. M. Oct. '46)

Loring, Harold C., Cons. Engr., Chester Basin, N.S. (July '45)

Lorio, Nezem J., Supt., Jefferson Parish Water Works No. 2, Marrero, La. (Oct. '46)

Los Angeles Dept. of Water & Power, Samuel B. Morris, Gen. Mgr. & Chief Engr., Box 3669 Terminal Annex, Los Angeles 54, Calif. (Corp. M. Apr. '10) *MPR*

Losee, James R., Engr. & Supt., Water Works, 21 Wildey St., Tarrytown, N.Y. (July '28) *M*

Loudenback, C. I., Sales Engr., Water Works Div., Dearborn Chemical Co., 310 S. Michigan Ave., Chicago 4, Ill. (Apr. '42)

Louis, Leo, Jr., City Engr., City Bldg., Piqua, Ohio (Jan. '42) *Fuller Award '47. P*

Louisiana Public Service Com., P. A. Frye, Secy. & Exec. Officer, Box 4035, Baton Rouge 4, La. (Corp. M. July '48)

Louisville Water Co., Henry M. Gerber, Pres., 435 S. 3rd St., Louisville, Ky. (Corp. M. Apr. '09)

Louser, Herman W., 824 Chestnut St., Lebanon, Pa. (Jan. '45) *MP*

Louth, Elmer D., Supt., Purif. & Pumping, Water Works, R.R. No. 2, Fairfield, Iowa (Oct. '47) *P*

Love, Ancel, Supt., City Water Dept., Ardmore, Okla. (Oct. '46)

Love, S. Kenneth, Chief, Quality of Water Div., U.S. Geological Survey, Washington 25, D.C. (Jan. '46) *P*

Lovejoy, Walter L., City Engr., 611—3rd St., Hoquiam, Wash. (Jan. '36) *MP*

Lovejoy, William H., Supt. of Filtration, Crescent Hill Plant, Louisville Water Co., Louisville 6, Ky. (June '08) *P*

Lovejoy, William O., Coca-Cola Bottling Co., 2334 Market St., Jacksonville, Fla. (July '43) *P*

Loveland, Chester H., Pres., California Water & Telephone Co., 300 Montgomery St., San Francisco 4, Calif. (Oct. '24) *MP*

Loveland, City of, Maynard Graham, Water Supt., Loveland, Colo. (Corp. M. Apr. '26) *Director '34–'37.*

Loveless, Roger W., Treas., Alden E. Stilson & Assoc., Cons. Engrs., 209 S. High St., Columbus, Ohio (Oct. '46)

Lovell, Joe W., Supt., Water Dept., Box 144, Murfreesboro, Tenn. (July '38) *M*

Lovell, Theodore R., Chief Engr., Thorpe Well Co., 1422 Wilson Ave., Des Moines, Iowa (Oct. '46) *R*

Lovett, Frank W., Engr., Link Belt Co., 300 W. Pershing Rd., Chicago, Ill. (July '44) *P*

Loving, M. W., Cons. Engr., Box 295, Glenview, Ill. (July '45)

Lowe, George R., Jr., Secy. & Gen. Mgr., Water Works, Columbus, Ga. (Jan. '38)

Lowe, Harry N., Jr., 101 E. Mason St., Alexandria, Va. (Apr. '44)

Lowe, James Carl, Field & Sales Engr., Pulp & Paper Process, Oliver United Filters, Inc., 221 N. LaSalle St., Chicago 1, Ill. (Oct. '43) *MP*

Lowe, Robert P., 520 N. 7th St., Las Vegas, Nev. (Jan. '43)

Lowe, Thomas M., Head Prof., Dept. of Civ. Eng., Alabama Polytechnic Inst., Auburn, Ala. (Jan. '37) *P*

Lowe, William R., Supt. of Filter Plant, Water Works, R.R. No. 2, Guthrie, Okla. (Jan. '46)

Lower Colorado River Authority, Max Starcke, Gen. Mgr., American Statesman Bldg., Box 1153, Austin 3, Tex. (Corp. M. Jan. '44) *R*

Lower, J. R., Chemist-in-Charge, Water Works, Bucyrus, Ohio (Sept. '27) *P*

Lowery, J. D., *see* American Cyanamid Co.

Lozada, L. A., Apdo. 451, Maracaibo, Venezuela (Jan. '41)

Luby, William, *see* Troy Bureau of Water

Lucas, Glenn, Foreman, Metropolitan Water Dist., Box 248, Lomita, Calif. (Oct. '43)

Luce, Arthur Taylor, System Chief Engr., New York Water Service Corp., 90 Broad St., New York 4, N.Y. (Apr. '19) *MPR*

Lucey, Patrick J., Box 2, Des Plaines, Ill. (July '39) *MPR*

Luchessa, J. J., Mech. Supt., Miami Copper Co., Box 100, Miami, Ariz. (Jan. '40)

Luckenbach, W. F., Jr., *see* Virginia Smelting Co.

Ludlow, R. S., Supt., Light & Water Dept., Kendallville, Ind. (Oct. '39)

Ludlow Valve Mfg. Co., Inc., Troy, N.Y. (Assoc. M. Mar. '82)

Ludwig, A. Muriel (Mrs.), Director, Export Chemical Dept., Peerless Overseas Corp., 1412 Broadway, New York, N.Y. (July '43)

Ludwig, Harvey F., Civ. Engr., Ludwig Bros., Engrs., 608 S. Fair Oaks Ave., Pasadena 2, Calif. (July '39) *Goodell Prize '43. P*

Luebbers, Ralph H., Assoc. Prof. of Chem. Eng., College of Eng., Univ. of Missouri, Columbia, Mo. (Jan. '36) *P*

Luenberger, F. O., *see* U.S. Electrical Motors, Inc.

Lufkin, J. G., *see* Red Hed Mfg. Co.

Luippold, G. T., Mgr., Luippold Eng. Sales Co., 405 N. Kilkea Drive, Los Angeles 36, Calif. (Feb. '24) *P*

Luling, City of, A. O. Krauskoph, Mgr. of Utilities, Luling, Tex. (Corp. M. July '46)

Lund, Armon, Supt., Water Dept., Lake & Michigan Aves., Wilmette, Ill. (Jan. '41) *MP*

Lundberg, Albert T., County Mgr., Arlington County, Arlington, Va. (Jan. '36) *M*

Lundquist, Harry, Repr., Neptune Meter Co., 5228 Brookview Ave., Minneapolis 10, Minn. (July '35) *M*

Lundy, Charles A., *see* Gilmore Steel & Supply Co.

Lundy, Ray E., Water Supt., Goodland, Kan. (Jan. '46)

Lundy, Thomas Emmett, Design Engr., Koch & Fowler, Engrs., 701 Great National Life Bldg., Dallas 1, Tex. (Oct. '47) *MPR*

Lunn, W. S., *see* Cape Town City Engr.'s Dept.

Lunt, Harold Blake, Accountant, Water Dept., 215 W. Broadway, Long Beach 2, Calif. (July '47) *M*

Lunt, Randle G., 248 S. Ave. 51, Los Angeles 42, Calif. (Oct. '45)

Luquire, Joseph W., Jr., Luquire Eng. Co., 255 St. Francis St., Mobile, Ala. (July '44) *P*

Luray, Town of, T. F. Ewers, Town Mgr., Luray, Va. (Corp. M. Apr. '45) *MP*

Lurie, David, Tech. Director, Heavy Chemicals Dept., American Cyanamid Co., 30 Rockefeller Plaza, New York 20, N.Y. (Jan. '45) *MP*

Luther, Robert W., Plant Supt., Public Utility Com., Box 56, Elizabeth City, N.C. (Jan. '30) *P*

Luthin, John C., Supt., Water Dept., Santa Cruz, Calif. (Jan. '40) *MPR*

Luton Water Co., Philip Robert Jeffcoate, Joint Engr., Crescent Rd., Luton, Bedfordshire, England (Corp. M. Jan. '45)

Lutz, Lloyd H., *see* Ocala Water Dept.

Luverne, City of, Elmer K. Thon, Supt., Water Dept., Luverne, Minn. (Corp. M. Jan. '47)

Lynbrook, W. M., *see* Greensboro Water Dept.

Lynch, Joseph A., *see* Redford Township Water & Sewer Dept.

Lynch, Leonard, Chem. Control Engr., South Dist. Filtration Plant, 3300 E. Cheltenham Pl., Chicago 49, Ill. (Apr. '46) *P*

Lynchburg Foundry Co., C. R. Spencer, Gen. Sales Mgr., Lynchburg, Va. (Assoc. M. June '16)

Lynde, Earl J., Chief San. Engr., Water Dept., 319 City Hall, Pasadena 1, Calif. (Jan. '41) *P*

Lyndes, Harry E., Local Mgr., General Chemical Div., Allied Chemical & Dye Corp., 1271 W. Bayard St., Denver, Colo. (Jan. '41)

Lynn, A. Vernon, Engr. of Operations, California Water Service Co., Box 1150, San Jose, Calif. (Jan. '48) *M*

Lyon, Lawrence H., Div. Supt., California Water & Telephone Co., 439 Tyler St., Monterey, Calif. (Oct. '38)

Lyon, Martin, Supt., Water & Elec. Plant, 65 E. 12th St., Clintonville, Wis. (Oct. '41)

Lyon, Walter Alphons, Jr. Asst. San. Engr., Dept. of San. Eng., State Health Dept., Baltimore, Md. (Jr. M. Jan. '48) *P*

Lyons, E. E., Clerk-Treas., Mgr., Water Works Dept., Corp. of Township of Ancaster, Ancaster, Ont. (Jan. '44) *MR*

Lysons, Edw., Supt., Water Dept., 429 Glen St., Snohomish, Wash. (July '40) *M*

Lytle, F. S., Water Supt., 514 S. Regan, Hominy, Okla. (Jan. '48)

M & H Valve & Fittings Co., J. W. Spradley, Sales Mgr., Box 909, Anniston, Ala. (Assoc. M. Feb. '30)

Mabbs Hydraulic Packing Co., D. E. Chalmers, Pres., 431 S. Dearborn St., Chicago 5, Ill. (Assoc. M. May '23)

Maben, Richard David, Jr., Town Mgr., Blackstone, Va. (Jan. '45) *MPR*

MacDermond, A. E., Supt., Water, Light & Power Co., 523—3rd St., Sauk Centre, Minn. (Oct. '45)

MacDonald, Alan T., Town Engr., Kentville, N.S. (July '42) *P*

MacDonald, C. C., Vice-Pres. & Treas., West Virginia Water Service Co., 814 Peoples Bank Bldg., Charleston 1, W.Va. (Oct. '29) *M*

MacDonald, Edward, Comr., Water Dept., Melvindale, Mich. (Aug. '32)

MacDonald, Frank P., Mgr., Cathodic Protection Sales, Electro Rust-Proofing Corp., 1229 W. Washington Blvd., Chicago 7, Ill. (Jan. '43) *MP*

Macdonald, Frank W., Assoc. Prof., School of Civ. Eng., Tulane Univ., New Orleans, La. (Oct. '45)

Macdonald, Gordon A., Cons. Civ. Engr., 25 Mossom Rd., Toronto, Ont. (July '46)

MacDonald, R. I., Asst. Engr., Alvord, Burdick & Howson, 1401 Civic Opera Bldg., Chicago 6, Ill. (Oct. '41) *MP*

MacDonald, W. E., City Water Works Engr., Corp. of the City of Ottawa, 48 Rideau St., Ottawa, Ont. (May '17) *M*

MacDonald, W. M., Supt., Public Utilities Com., Kincardine, Ont. (Jan. '44) *P*

MacDougall, Hugh, Asst. Engr., Parsons, Brinckerhoff, Hall & MacDonald, 51 Broadway, New York 6, N.Y. (Oct. '47)

MacDowell, Rollin F., Cons. San. Engr., 401 Chester-Twelfth Bldg., Cleveland 14, Ohio (July '37) *P*

MacDuff, Harry W., 2690 Sylvan Drive, Pontiac 11, Mich. (Oct. '43) *M*

Mace, H. F., *see* Mexia, City of

Mace, Harold H., Cons. Engr., 713 Temple Bar Bldg., Cincinnati 2, Ohio (Oct. '37) *P*

Mace, O. E., Supt., Water Service, Pere Marquette Ry. Co., Wyoming Yards, Grand Rapids 2, Mich. (Aug. '33) *MP*

Macedonia, John Anthony, Mgr., Culligan Soft Water Service Co., Jefferson & Elk Sts., Steubenville, Ohio (Apr. '47) *P*

MacGonagle, F. Robert, Tech. Salesman, Philadelphia Quartz Co., 205 W. Wacker Drive, Chicago 6, Ill. (Oct. '44) *P*

MacGregor, John Cameron, Gen. Mgr., Jewell Filter Co., Ltd., 4 Lyons Range, Calcutta, India (Jan. '39)

Machado, Luis, Secy., Acueducto de Colon, S.A., San Ignacio 303, Havana, Cuba (Jan. '41)

MacIntosh, W. James, Director, Philadelphia Suburban Water Co., 123 S. Broad St., Philadelphia 9, Pa. (July '46) *MR*

MacKall, Murray R., Hydr. Engr., California Public Utilities Com., 368 State Bldg., San Francisco 2, Calif. (May '27) *MPR*

MacKenzie, D. D., *see* Riverside Public Utilities Com.

MacKenzie, James T., Chief Metallurgist, American Cast Iron Pipe Co., Box 2603, Birmingham 2, Ala. (Jan. '40)

MacKenzie, Vernon G., 3725 Broadview, Cincinnati, Ohio (July '43)

Macklin, Vincent J., Sales Engr., Neptune Meter Co., 1937 F St., Lincoln, Neb. (Jan. '47)

MacLaren, James F., Gore & Storrie, Cons. Engrs., 1130 Bay St., Toronto 5, Ont. (Jan. '35)

MacLean, William D., Field Engr., Dept. of Indus. Research Services, Ontario Research Foundation, 43 Queen's Park, Toronto 5, Ont. (Apr. '47)

MacLennan, W. E., Mgr., Water Works, City Hall, Donald St., Fort William, Ont. (Jan. '47)

MacLeod, Keith S., Tech. Sales Div., Associated Chemical Co. of Canada, 14 Darrell Ave., Toronto 13, Ont. (Jan. '48) *P*

Mac Leod, Myron R., Adv. Mgr., *The American City,* 470—4th Ave., New York 16, N.Y. (Oct. '38)

MacMahon, J. D., Asst. to Tech. Director, Mathieson Chemical Corp., 1008 United Office Bldg., Niagara Falls, N.Y. (Apr. '45) *P*

Macnab, Ira P., Gen. Mgr., Public Service Com., 601 Barrington St., Halifax, N.S. (July '43) *MPR*

Mac Naughton, Duncan T., *see* Geneseo, Village of

MacNicol, N., *see* Forest Hill Water Works System

Macomber, Ronald Gibbs, Asst. State San. Engr., State Board of Health, Dover, Del. (Jan. '48)

Macon Board of Water Comrs., Cliff T. Williamson, City Hall, Macon, Ga. (Corp. M. Apr. '29)

Macqueen, Philip O., Chief, Eng. Branch, Water Supply Div., Washington Dist., Corps of Engrs., Dept. of the Army, 1st & Douglas Sts., N.W., Washington, D.C. (May '24) *P*

MacTaggart, A. B., *see* Rusta Restor Div.

MacWilliam, W. A., Supt., Water & Light Dept., Box 103, Moncton, N.B. (Jan. '45) *M*

Maddox, A. K., Field Repr., Reconstruction Finance Corp., 2905 Peachtree Rd., Atlanta, Ga. (Affil. Apr. '41) *M*

Madgouranis, George C., 5558 S. Sacramento Ave., Chicago, Ill. (Apr. '46)

Madison Suburban Utility Dist. of Davidson County, Madison, Tenn. (Corp. M. Apr. '38)

Maffitt, Dale L., Gen. Mgr., Water Works, Des Moines 7, Iowa (Apr. '18) *Director '47–'49.*

Maffitt, Howard C., Cons. Chemist, 522–26—11th St., Des Moines 9, Iowa (Dec. '26) *P*

Maffitt, M'Kean, Box 274A, Route No. 3, Wilmington, N.C. (Dec. '22) *Fuller Award '47. M*

Maggs, Percy J., Water Works Supt., Calgary Power, Ltd., Wetaskiwin, Alta. (Jan. '37) *MP*

Maguire, John J., Director, Tech. Div., W. H. & L. D. Betz, Gillingham & Worth Sts., Philadelphia 24, Pa. (Jan. '43) *P*

Mahan, T. N., Mgr., Follansbee Water & Light Co., Follansbee, W.Va. (July '47)

Mahlie, Winfield S., Chemist in Charge of Water & Sewage Purif., City Water Dept., Fort Worth 1, Tex. (Feb. '23) *Fuller Award '47. P*

Mahon, Ross L., Pacific Coast Repr., S. Morgan Smith Co., 1 Montgomery St., San Francisco 4, Calif. (Apr. '46) *MR*

Mahoney, Thomas H., Supt., Water Dept., 245 Broadway, Methuen, Mass. (Oct. '39)

Maier, F. J., Sr. San. Engr., U.S. Public Health Service, Bethesda 14, Md. (Jan. '41) *P*

Maier, L. H., Sales Engr., Johns-Manville Sales Corp., Box 1199, San Antonio 6, Tex. (Jan. '43)

Maierle, Joseph A., Vice-Pres. & Secy.-Treas., Morrison Eng. Co., Civic Center, Helena, Mont. (Apr. '47)

Main, Frank S., *see* Aurora Pump Co.

Main, Thomas C., Cons. Engr., Main & Rensaa, MacCosham Bldg., Edmonton, Alta. (Jan. '37) *MPR*

Maintenance Eng. Corp., A. J. Hooper, Mgr., Chemical Dept., 3611 Clinton Drive, Houston, Tex. (Assoc. M. Oct. '46)

Mallalieu, Willard, San. Engr., Jersey City Bureau of Water, Box 188, Boonton, N.J. (Dec. '14) *MP*

Mallery, Melvin B., Dist. Mgr., Indiana Gas & Water Co., Inc., 120 S. Washington St., Crawfordsville, Ind. (Jan. '42) *M*

Mallmann, Walter LeRoy, Prof. & Research Prof., Dept. of Bacteriology & Public Health, Michigan State College, East Lansing, Mich. (Jan. '38) *Fuller Award '41. P*

Malmö Stads Vatten- och Avloppsverk, Alfred Jerden, Chief Engr., Malmö, Sweden (Corp. M. July '21) *MPR*

Malone, Harold Lee, San. Engr., Bureau of San. Eng., State Dept. of Health, Oklahoma City 5, Okla. (Jan. '45) *PR*

Malone, J. R., Chemist, Water & Sewer Dept., Durham, N.C. (Oct. '39) *MPR*

Maloney, John R., Chemist, Water Works, 1003 Locust St., Des Moines 7, Iowa (Jan. '47)

Maloney, Patrick J., Supt., Carpinteria Water Co., Box 11, Carpinteria, Calif. (July '46)

Malony, W. L., Cons. Engr., Symons Bldg., Spokane 8, Wash. (Jan. '45)

Malot, John Woodrow, Civ. Engr., Aero Service Corp., 236 E. Courtland St., Philadelphia, Pa. (Jan. '45)

Malphurs, M. N., Supt. of Utilities, Florida Farm Colony, Box 508, Gainesville, Fla. (Jan. '46)

Malster, E. L., Mgr., York Water Co., York, Neb. (Jan. '40)

Mamrelli, Emil S., Asst. Civ. Engr., Water System, Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Oct. '34) *M*

Manahan, Irving, *see* Briarcliff Manor, Village of

Mancour, Gordon F., Supt., Water Dept., Box 189, Grand Blanc, Mich. (Jan. '48) *MP*

Mandeville, Owen A., *see* Westchester Joint Water Works No. 1

Mangun, Lloyd B., 2609 N. 12th St., Kansas City 2, Kan. (Feb. '20) *P*

Manhasset-Lakeville Water Dist., Board of Water Comrs., Clarence G. Hamel, Comr., 3 Gaynor Ave., Manhasset, N.Y. (Mun. Sv. Sub. July '41) *MR*

Manitoba Dept. of Health & Public Welfare, L. A. Kay, Director, Bureau of Public Health Eng., William Ave. & Gertie St., Winnipeg, Man. (Corp. M. Jan. '47) *MPR*

Mann, John J., Dist. Supt., Elizabethtown Water Co., Dunellen, N.J. (Oct. '43)

Mann, Karl M., Pres., Case-Shepperd-Mann Publishing Corp., 24 W. 40th St., New York 18, N.Y. (Oct. '37)

Mann, W. L., *see* National Lead Co. [South Amboy]

Mann, W. O., *see* Siler City, Town of

Mannel, Charles, Cons. Engr., 808 Jackson Bldg., Asheville, N.C. (Oct. '45) *P*

Mannes, C. O., Civ. Engr., DeWitt C. Griffin & Assoc., 717 Lloyd Bldg., Seattle 1, Wash. (Apr. '48)

Manning, Jud, Pres., Colorado Pump & Supply Co., 1449 S. Broadway, Denver 10, Colo. (Oct. '47)

Manning, R. E., Supt., Water Dept., Williamston, N.C. (Oct. '43) *M*

Manock, Foster T., Repr., Water Works Supply Co., 912 Pershing Square Bldg., 448 S. Hill St., Los Angeles 13, Calif. (Nov. '32) *P*

Manosa, Manuel, *see* Metropolitan Water Dist.

Mansfield, Myron G., Vice-Pres., Morris Knowles, Inc., 1312 Park Bldg., Pittsburgh, Pa. (June '24) *Fuller Award '43. Director '47–'50. MPR*

Mansfield Water Works Brass Co., Div. of Mansfield Brass & Aluminum Corp., Glenn L. Bierly, Pres., 287 N. Diamond St., Mansfield, Ohio (Assoc. M. Jan. '48)

Manson, Alexander Brock, Gen. Mgr., Public Utility Com., 7–9 Ontario St., Stratford, Ont. (Feb. '30) *Director '46–'49. MPR*

Manwiller, C. K., *see* Birdsboro Water Co.

Mapes, Joe B., Resident Engr., Freese & Nichols, Engrs., Box 3596, Amarillo, Tex. (Oct. '47)

Mara, Anthony, Supt., Public Works, Township of Parsippany Troy Hills, Boonton, N.J. (Apr. '39)

Marchand, Robert A., Chemist, Water Purif. Plant, 508 Summit St., N.W., Warren, Ohio (Oct. '47) *P*

Marchesini, Joao, a/c Comissao Aguas e Esgotos, Avenida Sete de Setembro, Salvador, Bahia, Brazil (July '48)

Marckmann, O. W., Partner, Marckmann & Williams, Box 3085, Seattle 14, Wash. (Apr. '38) *M*

Marek, Glenn E., Asst. Supt. & Purchasing Agent, Water Dept., 310 N. Broadway, Rochester, Minn. (Jan. '45) *MR*

Mariner, William Seward, Specification Engr., Metcalf & Eddy, 1300 Statler Bldg., Boston 16, Mass. (Jan. '45) *PR*

Marinette Water Com., Ernest Bowman, Supt., 1444 Main St., Marinette, Wis. (Corp. M. July '43)

Marion, Town of, Eng. Dept., Glynn D. Barranger, Town Engr., Box 207, Marion, Va. (Corp. M. Oct. '44)

Marion Water Dept., David Backmeyer, Plant Supt., Marion, Ind. (Corp. M. Apr. '48)

Marks, Henry C., Director, Chemical Research, Wallace & Tiernan Co., Inc., 11 Mill St., Belleville 9, N.J. (Jan. '44) *P*

Marmaduke, City of, A. M. Gooding, Mayor, Marmaduke, Ark. (Corp. M. Apr. '46)

Marquardt, A. H., Well Drilling Contractor, Box 793, Haines City, Fla. (Jan. '47)

Marquette, City of, Howard W. Greene, Supt., Marquette, Mich. (Corp. M. July '46)

Mars, A. D., Jr., Dist. Mgr., Neptune Meter Co., 1700—15th St., Box 5210, Denver 17, Colo. (Dec. '26) *M*

Marsden, Howard G., Mgr. & Treas., Manchester Water Co., Manchester Center, Vt. (Jan. '44) *M*

Marsh, Francis B., Assoc. Editor, *Water Works Engineering,* 24 W. 40th St., New York 18, N.Y. (May '24) *MP*

Marsh, George J., Jr., Engr., Sewerage & Water Board, 526 Carondelet St., New Orleans 12, La. (Apr. '48)

Marsh, John A., Chemist, Water Dept., Baldwin Filtration Plant, 11216 Fairhill Rd., Cleveland 4, Ohio (Apr. '37) *P*

Marshall, George A., Supt., Water Dept., Portland 4, Ore. (Apr. '30)

Marshall, L. A., Supt. of Filtration, Dept. of Public Utilities, Div. of Water & Heat, Baldwin Filtration Plant, 11216 Fairhill Rd., Cleveland 4, Ohio (May '21) *P*

Marshall, Leslie S., *see* Hempstead, Inc. Village of

Marshall, Lester Robert, Supt. of Water, Water Dept., Waverly, N.Y. (Apr. '47)

Marshall, W. W., Water Works Supt., Orangeville, Ont. (Jan. '44)

Marston, Frank A., Cons. Engr., Metcalf & Eddy, Cons. Engrs., 1300 Statler Bldg., Boston 16, Mass. (Feb. '22) *PR*

Martin, Alexander G., *see* Tonawanda, Town of

Martin, Earl, Pres. & Gen. Mgr., Martin & Goold Water Corp., Box 186, Temple City, Calif. (Oct. '40) *M*

Martin, Edward J., Jr., Cons. Engr., 21 N. Broadway, Tarrytown, N.Y. (Apr. '45) *MPR*

Martin, Frank A., Dist. Mgr., Wallace & Tiernan Sales Corp., 609 Laclede Gas Bldg., St. Louis 1, Mo. (Apr. '44) *P*

Martin, Guy E., Supt., Water Service, Illinois Central R.R., 135 E. 11th Pl., Chicago 5, Ill. (July '44) *MPR*

Martin, H. B., Supt., Munic. Com., Mohawk, N.Y. (Jan. '38)

Martin, H. E., Water & Sewer Dept., City Hall, Woodland, Calif. (July '47)

Martin, H. Fred, Vice-Pres., Garrett Eng. Co., Cons. Engrs., 1806 Milam St., Houston, Tex. (Jan. '46) *MPR*

Martin, Harold J., City Mgr.-City Engr., Ontario, Calif. (Jan. '46) *MR*

Martin, Herbert H., Meter Dept. Foreman, Water Dept., 539 Woodland Ave., Wooster, Ohio (Oct. '46) *MP*

Martin, J. C., Supt., Water Plant, Tarboro, N.C. (Oct. '42)

Martin, John J., Jr., Supt., Water Works, Route 3, Lebanon, Tenn. (Apr. '44) *MP*

Martin, Michael J., Chem. Engr., 395 Collins St., Melbourne C.1, Australia (Jan. '36)

Martin, Paul H., 1611 Grand View Ave., Columbus 8, Ohio (Oct. '38)

Martin, Phil J., Jr., City Water Supt., Box 2710, Tucson, Ariz. (Mar. '31)

Martin, R. L., *see* Alexandria Water Dept.

Martin, Ronald F., Asst. City Engr., Munic. Council, City Hall, St. John's, Newfoundland (Apr. '46) *MP*

Martin, William A., Vice-Pres. & Mgr., Gusmer & Martin, Inc., 21 Maple St., Summit, N.J. (Jan. '48) *P*

Martindale, R. H., Supt. & Mgr., Water Works Dept., 40 Elgin St., N., Sudbury, Ont. (Jan. '29) *M*

Martindale, R. W., 275—14th Ave., San. Francisco 18, Calif. (Nov. '23)

Martinez, Ernest, Mgr., Munic. Water Dept., Box 135, Taos, N.M. (Apr. '42) *MP*

Martinez, Rolando A., Cons. Engr., San Rafael No. 106, Antes No. 12, Havana, Cuba (Dec. '27)

Martinez, Sergio S., Prof. of San. Eng., Univ. of Havana, Havana, Cuba (July '38) *P*

Marx, Frank, Supt., Water Dist., Highland, N.Y. (Affil. Jan. '41) *P*

Marx, George W., Director, San. Eng. Div., State Dept. of Health, Capitol Bldg., Phoenix, Ariz. (Jan. '44) *MP*

Maryland State Planning Com., I. Alvin Pasarew, Director, 104 Equitable Bldg., Baltimore 2, Md. (Corp. M. Apr. '48)

Marysville Water Dept., Clarence E. Horn, Supt. of Filtration, Marysville, Mich. (Corp. M. Jan. '41) *MP*

Marzec, Edmund J., Dist. Public Health Engr., Dist. Health Office No. 3, State Dept. of Health, Box 270, Spencer, Iowa (Jan. '36) *P*

Mascia, Vincent, Asst. Supt., Westchester Joint Water Works No. 1, 126 Halstead Ave., Mamaroneck, N.Y. (Apr. '47)

Masemer, E. J., Mgr., Munic. Water Works, 36 York St., Hanover, Pa. (Apr. '48)

Mason, Arnold C., c/o Landesamt fuer Wasserversorgung, Gewuerzmuehl Strasse 10, Muenchen, Bayern, Germany (Apr. '43)

Mason, Clyde P., Cons. Engr., 507 Lafayette Ave., Lexington, Ky. (July '48)

Mason, George E., *see* Wolcott, Village of

Mason, Ovid William, San. Engr., Water & Sewage Disposal, Fort Sheridan, Ill. (Oct. '46)

Mason, Warren L., 2653 Brookside Ave., Indianapolis 18, Ind. (Affil. Jan. '45)

Mason, William Caton, Filtration Engr., Div. of Water Purif., 1623 W. Leland Ave., Chicago, Ill. (July '42) *P*

Mason City Water Dept., C. W. Hamblin, Water Supt., Mason City, Iowa (Corp. M. Jan. '37)

Massey, Calton C., County Mgr., Henrico County, Richmond 7, Va. (Jan. '39) *P*

Masters, C. P., Supt., Munic. Authority, Boro of Greenville, Greenville, Pa. (Affil. Jan. '41)

Masterson, W. D., *see* San Antonio City Water Board

Matarese, John G., Chem. Engr., Mathieson Chemical Corp., Wrigley Bldg., Chicago, Ill. (Apr. '48)

Matheson, DeLoss H., Chemist, Bacteriologist & Asst. Engr., Filtration Plant, Hamilton, Ont. (May '34)

Matheson, Stanley C., Supt., Comrs. of Sewers & Water Supply, City Hall, Charlottetown, P.E.I. (Jan. '42)

Mathews, C. K., Partner, Burns & McDonnell Eng. Co., Box 7088, Kansas City 2, Mo. (July '44) *PR*

Mathews, Everett R., San. Chemist, Div. of San. Eng., State Board of Health, Pierre, S.D. (May '34) *P*

Mathews, H. M., Supt., Water & Light Dept., Thomasville, Ga. (Oct. '39) *MP*

Mathews, Leo R., Supt., Three Rivers Filtration Plant, City Utilities, 308 E. Berry St., Fort Wayne 2, Ind. (Jan. '35) *MP*

Mathews, William W., Supt., San. Dist., Box 388, Gary, Ind. (Nov. '25) *M*

Mathieson Chemical Corp., J. O. Logan, Asst. Gen. Mgr. of Sales, 60 E. 42nd St., New York 17, N.Y. (Assoc. M. Mar. '20)

Mathis, W. H., Supt., Munic. Water Works, Eudora, Ark. (Apr. '46) *P*

Mathisen, Harold M., Secy.-Gen. Mgr., La Habra Heights Mutual Water Co., 2603 E. Whittier Blvd., Whittier, Calif. (Jan. '46)

Matlock, J. Ray, Director, School of Civ. Eng., Univ. of Oklahoma, Norman, Okla. (Oct. '45) *MPR*

Matte, Hubert P. T., Cons. Engr., Worthington-Gamon Meter Co., 296 South St., Newark 5, N.J. (July '13) *MP*

Matter, L. D., Asst. Chief Engr., State Dept. of Health, Harrisburg, Pa. (May '23) *P*

Mattern, Edwin K., Mattern & Mattern, Engrs., 118A Campbell Ave., S.W., Roanoke, Va. (Jan. '48) *MPR*

Mattern, J. D., *see* Diamond Alkali Co.

Matthews, Clyde C., Mgr., Arizona Water Co., 425 W. Washington St., Phoenix, Ariz. (July '47) *M*

Matthews, Emory C., Secy. & Treas., Board of Water Comrs., City Hall, Macon, Ga. (Jan. 40)

Matthews, Joseph C., Pres., Lennox & Matthews & Assoc., Inc., 644 E. Maple Rd., Indianapolis 5, Ind. (Jan. '38) *P*

Matthews, Richard G., Supt., Water Dept., City Hall, Muskegon Heights, Mich. (Jan. '43) *MP*

Matthews, William E., III, William E. Matthews Co., 706 Watts Bldg., Birmingham, Ala. (Jan. '37)

Mau, Carl F., Vice-Pres., California Water Service Co., 374 W. Santa Clara St., San Jose, Calif. (Jan. '37) *MR*

Mau, Gordon E., State Board of Health, Marvin Hall, Univ. of Kansas, Lawrence, Kan. (July '43) *P*

Mauch, Theo. C. M., Supt. of Pumping, Indianapolis Water Co., 113 Monument Circle, Indianapolis 6, Ind. (Dec. '24)

Mavis, Frederic Theodore, Prof. & Head, Civ. Eng. Dept., Carnegie Inst. of Technology, Pittsburgh 13, Pa. (Oct. '25) *MPR*

Mawdsley, Alar B., Water Supt., 112 E. 2nd, Pratt, Kan. (Jan. '47)

Maxwell, C. H., Supt. of Water, Colton, Calif. (Oct. '37)

Maxwell, Donald H., Cons. Engr., Alvord, Burdick & Howson, 1401 Civic Opera Bldg., Chicago 6, Ill. (Feb. '17)

Maxwell, G. E., *see* Simcoe Public Utilities Com.

Maxwell, William A., Mgr., Toronto Township Water Works, Cooksville, Ont. (Jan. '39)

May, Charles B., Foreman, Meter Dept., City Water Works, 2105—20th, N.E., Canton 5, Ohio (Oct. '47)

May, Harold D., May Bros. Well Drilling Co., 4200 E. Broadway, Tampa, Fla. (Oct. '46)

May, Harold Leo, Engr., Water & Sewer Div., Dept. of Public Works, Palo Alto, Calif. (Jan. '43) *M*

Mayer, Edward B., Exec. Engr., Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Oct. '29) *M*

Mayer, Maxie A., Chief Operating Engr., Aloe Field, 207 E. Constitution Ave., Victoria, Tex. (Jan. '46) *MP*

Mayes, Edward, Engr., Standard Oil Co. of California, 225 Bush St., San Francisco, Calif. (Jan. '46)

Mayhan, W. A., Supt. of Filtration, Munic. Water Works, Robinson Memorial Auditorium, Little Rock, Ark. (Jan. '41) *P*

Mayhew, N. R., Supt. of Water Operations, Water Dept., 323 City-County Bldg., Seattle 4, Wash. (Jan. '46) *MPR*

Maynard, Stuart B., 1605 Miller Rd., R.F.D. No. 3, Ann Arbor, Mich. (July '42)

Mays, Ernest H., Supt., San. Dist., Madison Heights, Va. (July '42) *M*

Mazurie, Clarence S., Supt., City Utilities Dept., 4901 Landis Ave., Sea Isle City, N.J. (July '43)

McAlary, Allan F., Supt. & Treas., Camden & Rockland Water Co., Box 264, Rockland, Me. (Apr. '22) *M*

McAllen Public Utilities, W. N. Harris, Gen. Mgr. of Utilities & City Engr., City Hall, McAllen, Tex. (Corp. M. Jan. '47) *MPR*

McAmis, James W., Secy.-Treas. & Supt., Water & Light Com., Greeneville, Tenn. (Sept. '21) *MPR*

McAndrew, Frank J., Mgr., St. Joseph Water Co., 825 Francis St., St. Joseph, Mo. (Jan. '40)

McArthur, Charles E., Vice-Pres., Treas. & Director, Kansas City Suburban Water Co., 828 Dwight Bldg., Kansas City, Mo. (Apr. '47)

McArthur, F., *see* Etobicoke, Township of

McArthur, L. S., *see* Kansas City Suburban Water Co., Inc.

McAtee, Louis A., Sr. Civ. Engr., Water Dept., 425 Mason St., San Francisco 1, Calif. (Jan. '44) *R*

McAvity, James L., Sales Mgr., T. McAvity & Sons, Ltd., Rothesay Ave., St. John, N.B. (Jan. '48)

McBride, Francis, Well Driller, 1618 W. Kirby, Tampa, Fla. (Jan. '47)

McBride, George A., 1370 Harvard Rd., Grosse Point Park, Detroit 30, Mich. (July '41) *P*

McBride, Samuel P., Chemist, Shenango Valley Water Co., Sharon, Pa. (July '39) *P*

McBrien, Stewart R., Supt., Public Utilities Com., Aylmer, Ont. (Jan. '41)

McBurnie, William J., Special Repr., Johns-Manville Sales Corp., 270 Madison Ave., New York 16, N.Y. (Affil. Jan. '45) *P*

McCabe, Joseph, Asst. Prof., School of Eng., Manhattan College, New York 63, N.Y. (July '47) *P*

McCaffrey, William A., Supt., Water Works, City Hall, Oswego, N.Y. (June '20) *Director '38–'41. M*

McCall, Joseph A., Supt. of Filtration, Clemson College, Clemson, S.C. (Oct. '47)

McCall, R. L., Chief Engr., Elec. & Water Eng. Dept., Utilities Bldg., Jacksonville, Fla. (Jan. '40)

McCall, Robert George, Assoc. Engr., Div. of San. Eng., State Health Dept., Charleston, W.Va. (Affil. Jan. '39) *P*

McCallion, Joseph, Supt., Div. of Water Supply, 13615 Michigan Ave., Dearborn, Mich. (Apr. '43) *M*

McCallister, H. M., *see* Astoria, City of

McCallister, Robert C., Personnel Director, Water Dept., 215 W. Broadway Ave., Long Beach 2, Calif. (Oct. '45) *M*

McCallum, Gordon E., San. Engr., Health Emergency Planning, Office of Surgeon General, Washington 25, D.C. (Oct. '43) *P*

McCambridge, J. H., *see* Burbank Public Service Dept.

McCampbell, Paul, *see* Avon Lake Water Dept.

McCann, Charles, Supt., City Water Dept., Egg Harbor City, N.J. (July '43) *MP*

McCann, Gilbert D., Supt., Maywood Mutual Water Co. No. 3, 6155 Heliotrope Ave., Maywood, Calif. (Oct. '39)

McCann, Harry, Div. Supt. of Operations, Montana Power Co., Missoula, Mont. (Apr. '43)

McCarthy, Frank J., Water Supt., 322 Hume St., Allenhurst, N.J. (July '43)

McCarthy, Gerald T., Partner, Knappen Tippetts Abbett Eng. Co., 280 Madison Ave., New York 16, N.Y. (Apr. '42) *PR*

McCarthy, J. Fred, *see* McCarthy Well Co.

McCarthy, J. J., Chemist, Water Dept., City Hall, Racine, Wis. (July '37)

McCarthy Well Co., J. Fred McCarthy, Pres., 670 Eustis St., St. Paul 4, Minn. (Assoc. M. Oct. '41)

McCauley, Arthur, Secy. & Atty., Jamaica Water Supply Co., 161–20—89th Ave., Jamaica, N.Y. (Jan. '48)

McCauley, John F., Supt. of Water & Sewers, Falls Church, Va. (Jan. '46)

McChesney, Don R., Sales Engr., The Permutit Co., 1139 Enquirer Bldg., Cincinnati 2, Ohio (Jan. '47)

McCleary, Elgin L., Mgr., Water Com., Sewage Disposal Plant, New City Hall, Dallas, Ore. (Jan. '47) *MPR*

McClenahan, W. T., Prin. Constr. Engr., San. Dist. of Chicago, 910 S. Michigan Ave., Chicago, Ill. (Apr. '14)

McClintock, John Harper, Chem. Engr., Humble Oil & Refining Co., Tech. Service Div., 607 Gresham Ave., Baytown, Tex. (Oct. '46)

McClung, L. R., Supt. of Distr., Water Dept., Danville, Va. (Jan. '47)

McClung, Laurence E., Chief Filter Plant Operator, Dept. of the Army, Corps of Engrs., Washington Aqueduct Operations, Washington Dist., Dalecarlia Filtration Plant, 5900 MacArthur Blvd., N.W., Washington 16, D.C. (July '43) *P*

McColl, O. J., *see* Smith-Douglass Co.

McCollister, Chester W., Vice-Pres., The Layne-Ohio Co., 1100 W. Town St., Columbus, Ohio (Oct. '47) *R*

McCollum, R. D., Owner & Mgr., R. D. McCollum Co., R.R. 3, Welland, Ont. (Apr. '48)

McConnell, Alfred F., Chief Engr., Refinite Corp., Refinite Bldg., Omaha, Neb. (Jan. '48)

McConnell, G. W., *see* Shenango Valley Water Co.

McConnell, J. D., *see* Proximity Mfg. Co.

McConville, Arthur P., Designing Engr., Dept. of Public Works, Bureau of Water, 765 Summit Ave., Jersey City, N.J. (Apr. '48)

McCoombs, John A., Supt., Water Works & Public Works, 100 Main St., S., Kenora, Ont. (Apr. '44) *MP*

McCord, Bertram, Sales Office Mgr., General Chemical Div., Allied Chemical & Dye Corp., 800 Hawks Ave., River Rouge 18, Mich. (Jan. '46) *P*

McCord, C. M., *see* Memphis Light, Gas & Water Div.

McCord, C. W., Dist. Mgr., Peoples Water Service Co. of Louisiana, Inc., Donaldsville, La. (Apr. '47)

McCorkle, Charles R., Supt., Munic. Water Dept., 539 Front St., Needles, Calif. (Oct. '44) *MP*

McCormack, Austin F., Jr., Dist. Sales Engr., The Permutit Co., 1025 Commerce Bldg., Rochester 4, N.Y. (Apr. '48)

McCormick, Alexis, McCormick & Teller, Cons. Engrs., 2711 Grant St., Houston 6, Tex. (Jan. '48)

McCoy, J. W., Supt. of Filtration, Munic. Light & Water Plant, Madisonville, Ky. (Jan. '40)

McCoy, Ted, *see* Brazil City Water Works

McCrady, Mac Harvey, Chief of Labs., Quebec Ministry of Health, 1570 St. Hubert St., Montreal, Que. (Apr. '16) *Fuller Award '47. P*

McCreery, T. W., Southern Sales Mgr., U.S. Pipe & Foundry Co., 1711 First National Bldg., Birmingham 3, Ala. (Jan. '36)

McCrory, T. G., City Engr. & Supt., Water Dept., City Hall, Anacortes, Wash. (Apr. '44) *MP*

McCulley, E. B., Mgr. of Utilities, Alamo, Tex. (Jan. '46) *MP*

McCullough, Norman B., Water Supt., City Hall, Lubbock, Tex. (July '46)

McCurdy, Howard, Cons. Engr., 4875 Pacific Blvd., Vernon 11, Calif. (Dec. '25)

McCurdy Sand & Water Separator Co., Howard McCurdy, 4875 Pacific Blvd., Vernon 11, Calif. (Assoc. M. Apr. '47)

McDaniel, Boyd J., City Mgr., Abilene, Tex. (July '38) *MR*

McDaniel, Howell C., Meter & Service Inspector, Distr. Div., Los Angeles Dept. of Water & Power, 14217 Gilmore St., Van Nuys, Calif. (Apr. '45)

McDiarmid, David M., 54 Clermiston Rd., Edinburgh 12, Scotland (July '38)

McDonald, A. Y., Mfg. Co., A. Y. McDonald, Secy., 12th & Pine Sts., Dubuque, Iowa (Assoc. M. Jan. '40)

McDonald, Allan, Supt., Water Works System, Wheatley, Ont. (Jan. '48)

McDonald, Arthur A., Supt. of Water Service, 1006 E. Reynolds, Springfield, Ill. (July '48)

McDonald, F. L., Chief San. Engr., State Board of Health, 1725 N. Monroe St., Little Rock, Ark. (July '39)

McDonald, Lewis, Vice-Pres., Chicago Bridge & Iron Co., 332 S. Michigan Ave., Chicago 4, Ill. (Apr. '44) *PR*

McDonald, Norman Geddes, Partner, Gore & Storrie, Cons. Engrs., 1130 Bay St., Toronto 5, Ont. (Jan. '35) *PR*

McDonnell, Robert E., Burns & McDonnell Eng. Co., c/o Country Club P.O. Station, 108 W. 63rd St., Kansas City 2, Mo. (May '13) *MP*

McDonough, Frank J., Asst. Mech. Engr., City of Chicago, Dept. of Public Works, 811 N. Michigan Ave., Chicago 11, Ill. (Oct. '41) *M*

McDonough, George V., Secy., North Jersey Dist. Water Supply Com., Wanaque, N.J. (Apr. '44) *MR*

McDowell, David M., Dist. Mgr., Hills McCanna Co., 611 Times Bldg., St. Petersburg, Fla. (Jan. '48)

McDowell, Francis B., Jr., Mgr. & Engr., Comrs. of Public Works, Water Dept., 14 George St., Box 829, Charleston, S.C. (June '29) *MPR*

McElhanney, Robert Gordon, Engr., The Dorr Co., 80 Richmond St., W., Toronto, Ont. (Jan. '48) *P*

McEllhiney, William A., *see* Miller, J. P., Artesian Well Co.

McEntee, Harry E., Supt., Water Works & Sewers, 315 S. Broadway, Mt. Clemens, Mich. (July '38)

McFarland, J. B., *see* U.S. Pipe & Foundry Co.

McFarland, John T., Dist. Mgr., Calgon, Inc., 311–14 Vanol Bldg., 3908 Olive St., St. Louis 8, Mo. (July '44) *P*

McFarland, W. I., Power Supt., Power, Water Supply & Purif. Plant Dept., Edmonton, Alta. (Jan. '46) *M*

McFaul, William L., City Engr., & Mgr., Water Works, Corp. of City of Hamilton, City Hall, Hamilton, Ont. (Mar. '24) *Director '43–'46. MPR*

McGahan, Claude R., Water Plant Chemist & Operator, Water Dept., City Bldg., El Dorado, Kan. (July '44)

McGauhey, P. H., Prof. of San. Eng., Virginia Polytechnic Inst., Blacksburg, Va. (July '38) *P*

McGee, Patrick H., Chief Water Chemist, Great Northern Ry. Co., 201 Terminal P.O. Bldg., Spokane 8, Wash. (Apr. '47) *PR*

McGill, R. D., Engr.-Repr., The H. C. Nutting Co., Carey, Ohio (May '30)

McGonigale, William J., Treas., Interstate Water Co., 1816 S. 3rd St., Louisville 8, Ky. (Apr. '12)

McGowan, Hugh, Jr., Supt., Pumping Station, 15 McLean St., Freehold, N.J. (Jan. '38)

McGowan, John, Eng. Repr., U.S. Fidelity & Guaranty Co., 922 University Bldg., Denver 2, Colo. (Jan. '41) *R*

McGrann, John H., Box 4374, Fronden Station, Jackson, Miss. (Jan. '41)

McGrath, Charles P., Supt., Water Distr. System, Maint. & Constr., Dept. of Water Supply, 3451 Orleans St., Detroit 7, Mich. (Apr. '40) *M*

McGrath, Louise E. (Miss), Pres., Booth Chemical Co., Box 203, Elizabeth, N.J. (July '39)

McGrath, R. L., Tech. Asst. to Regional Engr., Bureau of Reclamation, Sacramento, Calif. (Apr. '43) *R*

McGugan, Donald Johnston, Partner, Burnett, McGugan & Hunter, Engrs. & Surveyors, 644 Clarkson St., New Westminster, B.C. (Jan. '45) *MR*

McGuire, J. M., Gen. Mgr., Associated Chemical Co. of Canada, Ltd., 14 Darrell Ave., Toronto 13, Ont. (Jan. '44) *P*

McGuire, M. H., *see* McMinnville Water & Light Dept.

McGuire, Orla E., Div. Engr., Northern Peninsula Office, State Dept. of Health, Escanaba, Mich. (Jan. '39) *P*

McGuire, Thomas M., Mgr. of Utilities, Box 267, Plymouth, Wis. (Jan. '40) *M*

McHugh, Arthur C., Valuation Engr., Bureau of Valuation & Research, State Public Service Com., Albany, N.Y. (Jan. '44) *M*

McHugh, Charles A., Partner, M. & J. B. McHugh, 892 N. Markoe St., Philadelphia 39, Pa. (Jan. '44)

McIlvaine, William D., Jr., Director, Eng. Extension & Placement, Box 6127, University, Ala. (July '46)

McIntire, James N., Water & Waste Analyst, Lab., American Viscose Corp., Parkersburg, W.Va. (Oct. '47) *P*

McIntosh, Robert R., Director of Public Works & City Engr., 2 City Hall, Battle Creek, Mich. (Jan. '48) *MPR*

McIntyre, Frank J., Director, Columbus Water & Chemical Testing Lab., 58 Olentangy St., Columbus 2, Ohio (July '39) *P*

McIntyre, H. A., Superintending Engr., Civ. Aviation Div., Dept. of Transport, B-229 Temporary Bldg. No. 3, Ottawa, Ont. (Jan. '41) *MP*

McKaughan, O. M., *see* Wake Forest, Town of

McKay, George, Jr., Pres., The Leadite Co., Inc., Girard Trust Company Bldg., Philadelphia 2, Pa. (Apr. '30)

McKay, R. Donald, San. Engr., Dept. of Public Health, Halifax, N.S. (Jan. '41) *P*

McKay, W. G., Asst. Engr., Underwood & McLellan, 502 Grain Bldg., Saskatoon, Sask. (Jan. '42) *P*

McKay, Wilbur M., Sales Engr., Johns-Manville Sales Corp., 116 New Montgomery St., San Francisco 5, Calif. (Jan. '38)

McKean, Hugh Clare, Plant Mgr. & Chemist, Water Treatment Plant, State Hospital, Mt. Pleasant, Iowa (Oct. '46) *P*

McKee, Donald M., The Permutit Co., 3903 Olive St., St. Louis 8, Mo. (Jr. M. Jan. '48)

McKee, Jack Edward, Partner, Camp, Dresser & McKee, Cons. Engrs., 6 Beacon St., Boston 8, Mass. (Jan. '43) *MPR*

McKenna, James H., Owner, J. H. McKenna Co., 25 W. York St., Savannah, Ga. (Apr. '48)

McKenzie, Maxwell G., Mng. Director, Di-Met Pty., Ltd., 528 Collins St., Melbourne, Australia (Jan. '48) *MPR*

McKenzie, Norman, City Clerk & Water Supt., City Hall, Wakeeney, Kan. (July '47)

McKersie, Allen E., Chairman, Water Com., 1297 Holly Drive, Colton, Calif. (Oct. '42)

McKillop, V. A., Asst. Mgr., Public Utilities Com., Dundus at Wellington, London, Ont. (Jan. '45) *MR*

McKnight, J. H., Supt., Water Works, Box 3, Bangs, Tex. (Oct. '46)

McKown, Paul, Chief Operator, Cactus Oil Plant, Dumas, Tex. (Oct. '47)

McLaughlin, H. L., Salesman, Pittsburgh Equitable Meter Div., 1310 Race St., Denver 6, Colo. (Mar. '26) *M*

McLaughlin, Philip L., Vice-Pres. & Gen. Mgr., Long Island Water Corp., 733 Sunrise Highway, Lynbrook, N.Y. (July '28) *MPR*

McLaughlin, Richard M., *see* Westchester County Dept. of Health

McLean, Claude E., Owner-Director, Arizona Testing Labs., 823 E. Van Buren St., Phoenix, Ariz. (July '47) *PR*

McLean, R. E., Tank Maint., 215 Realty Bldg., Box 1062, Gastonia, N.C. (Jan. '45)

McLean, R. F., Supt., Water Dept., Walla Walla, Wash. (June '28)

McLean, Walter R., Supervising Civ. Engr., East Bay Munic. Utility Dist., 512 —16th St., Oakland 4, Calif. (July '47) *R*

McLemore, David R., *see* Phenix City Filtration Plant

McLendon, Samuel Chaney, Engr., Long Island Water Corp., 733 Sunrise Highway, Lynbrook, N.Y. (July '47) *MPR*

McLeod, Robert J., Sr. Designing Engr., Washington Suburban San. Com., 4017 Hamilton St., Hyattsville, Md. (Apr. '48)

McMahon, Lee B., Mgr., Ohio Branch, *Water & Sewage Works,* Leader Bldg., Cleveland 14, Ohio (July '47)

McMahon, Neil G., Chemist, State Board of Health, Jackson, Miss. (July '47)

McManama, Theodore L., Pres. & Gen. Mgr., International Water Supply, Ltd., 12 Maitland St., London, Ont. (Jan. '34) *P*

McMillan, John D., Supt., Water Dept., 2807 W. Central Ave., Newport Beach, Calif. (Oct. '46) *MPR*

McMillan, L. S., Supt., Water Works, Raeford, N.C. (July '35) *P*

McMillan, Mitchell G., Engr., Bureau of Water, Utilities Board, 626 S. Gay St., Knoxville, Tenn. (Apr. '47)

McMinnville Water & Light Dept., M. H. McGuire, Mgr., McMinnville, Ore. (Corp. M. July '34) *Director '38–'41. Fuller Award '42.*

McMorrow, Bernard J., Director, Div. of Sanitation, Dept. of Health, Kapuaiwa Bldg., Honolulu 1, Hawaii (Jan. '38) *P*

McMullen, Oliver A., Sr., Chief Engr. & Operator of Water Supply & Treatment, Water Dept., Water Works, Decatur & Winchester Aves., Margate, N.J. (Oct. '45) *MPR*

McMullen, R. S., Pres., Waymart Water Co., 409 First National Bank Bldg., Carbondale, Pa. (July '35) *M*

McMullin, H. L., *see* Texas & Pacific Ry. Co., The

McMurray, F. R., *see* Skinner, M. B., Co.

McMurry, W. F., Supt., Water Dept., 405 City Hall, Tulsa, Okla. (Apr. '36) *M*

McNair, J. S., *see* Washington Water Power Co.

McNally, Christopher J., Gen. Mgr., Cement Gun Co., Inc., 1520 Walnut St., Allentown, Pa. (Apr. '43) *M*

McNamara, Joseph W., *see* Julesburg, Town of

McNamara, Leo G., 400 Highland Terrace, Orange, N.J. (July '39)

McNamee, Robert L., Drury, McNamee & Porter, Cons. Engrs., State Savings Bank Bldg., Ann Arbor, Mich. (June '26) *P*

McNeice, L. G., *see* Orillia Water, Light & Power Com.

McNeill, Johnnie L., Supt., Light & Water Dept., Lumberton, N.C. (Aug. '26) *M*

McNutt, Harry, Gen. Foreman, Water Dept., 1608 Austin St., Lincoln Park, Mich. (Oct. '47)

McPeak, Douglas H., Station A, Box 462, Minneapolis, Minn. (Apr. '42) *P*

McPhail, Alex L., Supt., Water Works Com., St. Catharines, Ont. (Jan. '35) *MP*

McPherson, Murray Burns, Asst. Prof. of Civ. Eng., Lehigh Univ., Bethlehem, Pa. (Apr. '44) *PR*

McQueen, Leo E., Supt., Board of Public Works, Coldwater, Mich. (Apr. '23) *M*

McRae, J. P., McRae Eng. Equipment, Ltd., 11 King St., W., Toronto 1, Ont. (Jan. '24) *P*

McVicar, Angus E., Asst. Supt., Munic. Water Dept., 1510 Cravens Ave., Torrance, Calif. (Apr. '48)

McWane Cast Iron Pipe Co., W. P. Cox, Gen. Sales Mgr., Box 2601, Birmingham 2, Ala. (Assoc. M. Apr. '23)

McWayne, Albert, Engr., Perkins & McWayne, 320 Paulton Bldg., Sioux Falls, S.D. (Jan. '47)

McWhorter, James A., Pres., Annandale Water Co., Annandale, Va. (Affil. Apr. '48)

McWilliams, D. E., Vice-Pres. & Mgr., Roaring Creek Water Co., Box 17, Shamokin, Pa. (Mar. '22) *M*

McWilliams, John S., Pres., Roaring Creek Water Co., 204 E. Sunbury St., Shamokin, Pa. (Apr. '43) *M*

Mead Corp., The, George Sheets, Research-Development Engr., Chillicothe, Ohio (Corp. M. Jan. '43)

Mead, Daniel W., 550 State St., Madison 3, Wis. (Apr. '89) *Honorary M. '30. P*

Mead, Zarald L., Mgr., Public Utilities, 111 Pearl St., Ypsilanti, Mich. (July '46) *MPR*

Meadows, C. A., Sr. Partner, C. A. Meadows & Assoc., 4 Grange Rd., Toronto, Ont. (Apr. '47) *PR*

Meadows, J. O., San. Engr., J. T. Donald & Co., Ltd., 1181 Guy St., Montreal, Que. (June '20) *P*

Measly, H. F., *see* General Elec. Co.

Mebus, George B., Cons. Engr., 112 S. Easton Rd., Glenside, Pa. (Apr. '48)

Mechanik, Joseph, Civ. Engr., Div. of Design, Board of Water Supply, 120 Wall St., New York 5, N.Y. (Jan. '48) *PR*

Meckling, George William, City Engr., Corp. of City of Kelowna, 378 Bernard Ave., Kelowna, B.C. (Apr. '47)

Medbery, H. Christopher, Engr. of Water Purif., San Francisco Water Dept., Millbrae, Calif. (Oct. '37) *P*

Medford Water Com., Robert A. Duff, Engr. & Supt., City Hall, Medford, Ore. (Corp. M. Mar. '30) *MPR*

Media, Borough of, Earl F. Snear, Water Supt., State & Jackson Sts., Media, Pa. (Corp. M. Jan. '45)

Medlar, George Elmer, Engr., Office & Water Div., Utilities Com., 607 Canada Bldg., Windsor, Ont. (Apr. '43) *MP*

Medlen, Jay, City Comr. No. 2, Dept. of Public Works, Fort Smith, Ark. (July '43)

Meehan, Austin, John Meehan & Son, Water Pipe Constr., 916 W. Dakota St., Philadelphia 33, Pa. (Apr. '44) *M*

Meeker, Robert H., Asst. Mgr. & Engr., Wichita Water Co., 301 N. Main St., Wichita 1, Kan. (July '45) *MPR*

Meeker, W. L., Mgr., Water Works Co., Clinton, Iowa (Oct. '28)

Meem, S. H., Jr., *see* Bedford, Town of

Mees, Curtis A., Cons. Engr., 1802 Flagler Ave., N.E. Atlanta, Ga. (Jan. '43) *P*

Mehlburger, Max A., Cons. Engr., 1018 Pyramid Bldg., Little Rock, Ark. (Jan. '45) *P*

Mehta, K. D., San. Engr., c/o M. M. Parekh, Vinod Kunj, Telag Rd., Matunga (G.I.P.), Bombay 19, India (Apr. '48)

Meier, Fred W., Mayor, 403 Early St., Storm Lake, Iowa (July '48)

Meigs, W. H., Chemist, Gasoline Dept., Phillips Petroleum Co., Box 989, Oklahoma City, Okla. (Oct. '47)

Meinecke, Joseph B., Supt., Pumping Div., Board of Water Supply, Box 355, Honolulu, Hawaii (Jan. '48)

Mejia, Hernando, San. Engr., Apdo. No. 413, Bogota, Colombia (July '42)

Melbourne & Metropolitan Board of Works, F. M. Lee, Engr. of Water Supply, 110 Spencer St., Melbourne C.1, Victoria, Australia (Corp. M. Jan. '36)

Melcher, Frank W., Chemist, Quality Control Div., The Coca-Cola Co., Drawer 1734, Atlanta 1, Ga. (Oct. '43) *P*

Meleyco, Victor N., San. Engr., U.S. Army Engr., Constr. Div., Office of Chief Engr., Headquarters EUCOM, APO 403, New York, N.Y. (Jan. '48)

Mellen, Arthur F., Supt. of Water Treatment, Columbia Heights Filtration Plant, Water Works Dept., 4500 Reservoir Blvd., Minneapolis 18, Minn. (Mar. '15) *Fuller Award '43. MP*

Melley, William P., Supt., Water Dept., 10 Walnut St., Milton 86, Mass. (Jan. '41) *M*

Melvin, Howard H., Gen. Mgr., Millville Water Co., 209–11 High St., Millville, N.J. (Jan. '39) *MP*

Memphis Light, Gas & Water Div., C. M. McCord, Director, Water Div., 179 Madison Ave., Box 388, Memphis, Tenn. (Corp. M. Apr. '09) *Fuller Award '43. Director '47–'50. MR*

Mena Water Works, Frank L. Lewis, Supt., Mena, Ark. (Corp. M. July '48)

Mendelsohn, Isador W., San. Engr., Corps of Engrs., Dept. of the Army, Washington 25, D.C. (Feb. '20) *PR*

Meneses Hoyos, Roberto, Director, Meneses Hoyos & Co., Reforma No. 12–103, Mexico, D.F., Mexico (Oct. '46) *R*

Meng, B. B., Supt., Water Works, Winnsboro, S.C. (Apr. '29) *MP*

Mentz, Henry A., Cons. Engr., Box 934, Hammond, La. (Oct. '19) *M*

Menzenhauer, Fred C., 65 Maple Ave., Hackensack, N.J. (Jan. '38)

Menzies, J. R., Chief, Public Health Eng. Div., Dept. of National Health & Welfare, 808 Jackson Bldg., Ottawa, Ont. (Jan. '47)

Mercer, B. F., Water Comr. & City Treas., Water Dept., Sidney, Mont. (Oct. '42) *M*

Mercer, Keith, 1100 Craig St., E., Montreal, Que. (Oct. '42) *P*

Merckel, F. G., Wallace & Tiernan Co., Inc., Box 178, Newark 1, N.J. (Jan. '21) *P*

Meredith, A. A., City Mgr., Borger, Tex. (Oct. '47)

Meredith, E. C., Asst. Director, San. Eng., State Dept. of Health, Richmond 19, Va. (Jan. '37)

Merfeld, F. A., *see* Citizens Utilities Co. [Idaho]

Merkel, Paul P., Anal. & Cons. Chemist, 1707 Olive St., Reading, Pa. (Jan. '37) *P*

Merrell, John C., Jr., San. Eng. Assoc., San. Eng. Div., Dept. of Water & Power, 207 S. Broadway, Los Angeles, Calif. (Oct. '45) *P*

Merrick, Clyde R., Water Supply Engr., R.R. 1, Box 86-D, Indianapolis 44, Ind. (Jan. '37) *PR*

Merrill, Arthur J., *see* Johnson City Water Dept.

Merrill, Neal P., Mio, Mich. (Apr. '43) *P*

Merrill, Reynold C., Research Mgr., Chemical Dept., Philadelphia Quartz Co., 121 S. 3rd St., Philadelphia 6, Pa. (Jan. '47) *P*

Merrill Water Utility, Hubert J. Evers, Mgr., 105 E. 3rd St., Merrill, Wis. (Corp. M. July '47)

Merritton Water Works Dept., William F. Schooley, Secy.-Treas., Town Hall, Merritton, Ont. (Corp. M. June '26) *M*

Merryfield, Fred, Prof. of San. Eng., Oregon State College, Corvallis, Ore. (May '34) *Fuller Award '44. P*

Merryman, Harold W., Asst. San. Engr., State Board of Health, 829 S. 11th St., Corvallis, Ore. (July '47)

Merz, H. S., Supt., Water Dept., 3227 Westgate Pkwy., Rockford, Ill. (Oct. '37) *MR*

Messenger, Ira E., Supt., Water Works, 126 W. Friendship St., Medina, Ohio (Oct. '46) *MP*

Messer, Richard, Director, Bureau of San. Eng., State Dept. of Health, 22 N. 9th St., Richmond 19, Va. (Sept. '11) *Director '43–'46. Fuller Award '45. P*

Metcalf, Frank, Foreman, Water Dept., Pasadena, Calif. (Oct. '43) *R*

Metropolitan Water Dist., Manuel Manosa, Mgr., 176 Arroceros, Manila, P.I. (Corp. M. July '37) *MP*

Metropolitan Water Dist. of Southern California, 306 W. 3rd St., Los Angeles 13, Calif. (Corp. M. July '44)

Mettee, H. Irving, Sr. Engr., Bureau of Water Supply, Div. of Plant Improvements, 500 Municipal Bldg., Baltimore, Md. (Oct. '47)

Metz, Don T., Sales Engr., Byron Jackson Co., Box 2017 Terminal Annex, Los Angeles 54, Calif. (Jan. '46) *M*

Metzler, Dwight F., Chief Engr., State Board of Health, Lawrence, Kan. (Jan. '47)

Mexia, City of, H. F. Mace, City Mgr., Water Dept., Mexia, Tex. (Corp. M. Jan. '47)

Mexico, Banco Nacional Hipotecario Urbano y de Obras Publicas, S.A., Jose Mendez Valazquez, Ave. Fco. 1 Madero No. 32, Mexico, D.F., Mexico (Corp. M. Oct. '37)

Meyer, B. H., Water Comr., Munic. Water Works, West Salem, Wis. (July '44)

Meyer, Ed, Water Works Supt., Hespeler, Ont. (Apr. '32) *M*

Meyer, Ernest L. H., *see* Glens Falls Board of Water Comrs.

Meyer, Hazen I., Sr. Asst. Civ. Engr. (Hydr.), Detroit Water Supply, 17350 Cooley St., Detroit 19, Mich. (July '40) *M*

Meyer, Henry Rupert John, Sr. Civ. Engr., Supply & Purif. Sec., Water Div., Dept. of Public Utilities, 1640 S. Kingshighway, St. Louis 10, Mo. (Jan. '35) *P*

Meyer, J. Edward, *see* Newtown, Citizens Water Supply Co. of

Meyer, William George, Asst. Supt., Water Dept., 1206 Bryant St., Fairmont, W.Va. (Jan. '47)

Meyers, Leo, *see* Larned Water Dept.

Miami Beach Water Dept., H. H. Horn, Supt., Box 1, Miami Beach 39, Fla. (Corp. M. Oct. '45) *MR*

Miami Dept. of Water & Sewers, W. A. Glass, Director, Box 6, Coconut Grove Station, Miami 33, Fla. (Corp. M. Apr. '40) *M*

Michael, A. C., Sr. Assoc. Mech. Engr., Dept. of Water Supply 735 Randolph St., Detroit 26, Mich. (Jan. '38) *M*

Michau, R., Controleur de Services, Techniques et Industriels, 98 Quai de la Rapee, Paris 12, France (Mar. '27)

Micks, Ransom R., Box 265, Johnstown, N.Y. (July '45)

Middleton, Leon, Supt., Water Works, Quitaque, Tex. (Oct. '47)

Middletown [Conn.] Water Dept., Samuel C. Cannon, Supt., Dept. of Public Works, Box 758, Middletown, Conn. (Corp. M. June '21) *MPR*

Middletown [N.Y.] Water Dept., Geary W. Chumard, Comr. of Public Works, City Hall, Middletown, N.Y. (Mun. Sv. Sub. Oct. '44)

Midland Public Utilities Com., Roy S. King, Box 548, Midland, Ont. (Corp. M. Mar. '27) *MPR*

Midland Water Dept., Paul Stegeman, Supt. of Utilities, City Hall, Midland, Mich. (Corp. M. Jan. '40) *MP*

Milaeger, Ralph E., Hydr. & San. Engr., Milaeger Well Drilling Co., 4630 W. Burleigh St., Milwaukee 10, Wis. (Apr. '47) *PR*

Miles, Bruce J., Partner, Soft Water Service Co., 817 N. 7th Ave., Phoenix, Ariz. (Jan. '48) *P*

Miles, Harry B., Gen. Mgr., Board of Water Supply, 712 Washington St., Utica 2, N.Y. (June '24) *M*

Miles, Henry J., Prof. of Civ. Eng., Dept. of Civ. Eng., Texas A & M College, College Station, Tex. (July '41) *PR*

Miles, W. J., *see* Sequin, City of

Milford Water Co., M. H. Goff, Supt., 226 Main St., Milford, Mass. (Corp. M. July '35)

Milford Water Dept., Walter O. Pimm, Supt., Box 177, Milford, N.J. (Corp. M. July '43)

Millar, Robert S., Mgr., Wichita Water Co., Box 1442, Wichita 1, Kan. (May, '38) *M*

Millensifer, Robert W., 2300—5th Ave., N., Great Falls, Mont. (Jan. '42)

Miller, Alden W., Repr., Johns-Manville Sales Corp., Indus. Products Div., 1833 N. 13th Ave., Phoenix, Ariz. (Oct. '34) *Director '47–'50. Fuller Award '48. PR*

Miller, Arthur P., San. Engr., Director, U.S. Public Health Service, 4122 Federal Security Bldg., S., 4th & D Sts., S.W., Washington 25, D.C. (Sept. '20) *P*

Miller, Basil, *see* Elkhorn Light & Water Com.

Miller, Charles R., Supt., Water & Elec. Dept., Village Hall, Winnetka, Ill. (Oct. '41) *M*

Miller, Dan S., *see* South Gate, City of

Miller, Dean A., Asst. Dist. Sales Mgr., Chicago Bridge & Iron Co., Box 277, Birmingham 1, Ala. (Apr. '44) *M*

Miller, E. Donald, Asst. Engr., Maint. & Operation Dept., 200 Rhode Island Ave., N.E., Washington 2, D.C. (Jan. '48)

Miller, Fabian S., City Engr. & Director of Public Works, Board of Public Works, Palo Alto, Calif. (Jan. '46)

Miller, Frank B., *see* Spokane Utility Supplies Co.

Miller, Frank Hansford, Regional Engr., Bureau of San. Eng., State Dept. of Health, Essex Bldg., Bank & Plume Sts., Norfolk 10, Va. (Apr. '42) *PR*

Miller, George, Salesman, Sheridan Equipment Co., Ltd., 33 Laird Drive, Leaside, Ont. (Apr. '48)

Miller, George Clarance, Chief Engr., Water Dept., Cedar Rapids, Iowa (Oct. '47)

Miller, Harold A., Sales Mgr., Michigan Hydrant & Valve Co., 8747 Brandt, Dearborn, Mich. (Apr. '48)

Miller, Herbert, Mgr., Water Works Contracting Dept., Pittsburgh-Des Moines Steel Co., 1015 Tuttle St., Des Moines 8, Iowa (Jan. '46) *MP*

Miller, J. H., Assoc. Engr., State Health Dept., Charleston, W.Va. (Affil. Jan. '38)

Miller, J. P., Artesian Well Co., William A. McEllhiney, Pres., 8226 Ogden Ave., Box 359, Brookfield, Ill. (Assoc. M. Apr. '44)

Miller, J. Wallace, Pres., W-M Corp., 608 S. Dearborn St., Chicago 5, Ill. (Jan. '46) *MP*

Miller, James G., Pumps & Sewer Dept., Canadian, Tex. (Oct. '47)

Miller, John, Supt., Water Dept., 408 N. Lake St., Port Washington, Wis. (Apr. '44)

Miller, John A., Supt., Water Dept., Canfield, Ohio (July '47)

Miller, John Bannerman, San. Engr. IV, Bureau of San. Eng., State Board of Health, Box 210, Jacksonville 1, Fla. (July '42)

Miller, John E., Service Engr., Bldgs. & Constr. Div., State Administrative Board, 115-A State Office Bldg., Lansing 13, Mich. (Apr. '42) *R*

Miller, Lavern A., Chief Engr., Miller Eng. Service, Box 206, Streator, Ill. (Jan. '42) *MPR*

Miller, Lawson I., 3842 Prairie Ave., Chicago, Ill. (July '47)

Miller, Lewis B., *see* Technical Assn. Pulp & Paper Industry

Miller, Louis L., Engr., Somerville Water Co., Somerville, N.J. (Jan. '40)

Miller, Maurice L., Cons. Engr., 400–05 McDowell Bldg., Louisville 2, Ky. (Jan. '42) *P*

Miller, P. W., Gen. Supt., Water Companies, Gannett Fleming Corddry & Carpenter, Inc., 600 N. 2nd St., Harrisburg, Pa. (Jan. '45)

Miller, Paul E., Supervising Chemist, Harmon Color Co., 550 Belmont Ave., Haledon, N.J. (Jan. '39) *P*

Miller, Ralph W., *see* Pittsburgh Plate Glass Co.

Miller, S. J., Asst. Chief Engr., Indiana Gas & Water Co., Inc., 1630 N. Meridian St., Indianapolis 2, Ind. (Jan. '37) *M*

Miller, Valie C., Supt., Munic. Water & Light Dept., Board of Trustees of Public Affairs, Genoa, Ohio (Oct. '46) *P*

Miller, Wallace T., *see* Ossining Board of Water Comrs.

Miller, Warren Cron, City Engr., City Hall, St. Thomas, Ont. (Feb. '23)

Miller, Woodrow, City Councilman, Box 504, Colton, Calif. (Oct. '46)

Millham, Irving, Supt., Public Works, 65 S. Chestnut St., New Paltz, N.Y. (Oct. '46) *MPR*

Milligan, T. Edwin, Asst. Supt., Water Constr., City Utilities, 308 E. Berry, Fort Wayne 2, Ind. (Jan. '41)

Milliken, Harold E., Assoc. San. Engr., State Board of Health, 1022 S.W. 11th Ave., Portland 11, Ore. (Jan. '46)

Millikin, Joseph P., Chemist, City Water Dept., 424 Riverland Rd., S.E., Roanoke, Va. (Jan. '48)

Millikin, William H., City Supt., Board of Water Comrs., City & County Bldg., Box 629, Denver 1, Colo. (Apr. '40) *M*

Milliren, M. E., *see* Du Bois Bureau of Water

Millis, John B., Field Engr., Ground Water Sec., State Water Survey Div., Box 232, Urbana, Ill. (July '45) *MR*

Mills, G. H., Supt., Water Dist. No. 42, 16906—15th Ave., N.E., Seattle 55, Wash. (Jan. '42)

Mills, H. G., *see* Georgetown Sewerage & Water Comrs.

Mills, H. L., Sales Engr., Spokane Utility Supplies Co., 405 S. Beattie St., Helena, Mont. (Jan. '48)

Mills, M. R., Jr., 210 E. Franklin St., Richmond 19, Va. (Oct. '43) *PR*

Mills, Ralph T., Supt. of Purif., Water Dept., Southern Pines, N.C. (Oct. '30) *P*

Mills, S. A., Mgr., Bessemer Water Service, Box 248, Bessemer, Ala. (Apr. '36) *M*

Mills, W. Stuart, Sales Engr., c/o Peacock Bros., Ltd., 510 Federal Bldg., Richmond St., W., Toronto, Ont. (July '39) *MPR*

Milne, John, Secy. & Mgr., Utilities Div., Mueller, Ltd., Sarnia, Ont. (Apr. '43) *M*

Mimico Public Utilities Com., Oscar Lawson, Supt., Water Works Dept., 249 Church St., Mimico, Toronto 14, Ont. (Corp. M. Jan. '41) *R*

Mineral Wells City Water Works, Walter C. Carter, Water Comr., City Hall, Mineral Wells, Tex. (Corp. M. Apr. '40)

Minersville, Munic. Authority of Borough of, Carl I. Kear, Gen. Mgr., Delaware Ave. & Carbon St., Minersville, Pa. (Corp. M. Jan. '42)

Minkus, Alexander J., Sr. Asst. Engr., Metropolitan Dist. Water Bureau, Hartford, Conn. (Oct. '37) *P*

Minneapolis Com. of Water Works, 101 City Hall, Minneapolis 15, Minn. (Corp. M. June '20)

Minnesota & Ontario Paper Co., William H. Schlafge, Asst. Gen. Supt., International Falls, Minn. (Corp. M. July '45) *P*

Minor, Edward Eastman, Vice-Pres., New Haven Water Co., 100 Crown St., New Haven 6, Conn. (May '12) *MPR*

Minor, Lynn O., Treas. & Mgr., Kankakee Water Co., 132 S. Dearborn Ave., Kankakee, Ill. (Jan. '22) *MP*

Mishawaka City Water & Elec. Plant, Austin R. Klein, Supt., City Hall, Mishawaka, Ind. (Corp. M. Dec. '37) *MR*

Mississippi Lime Co., C. C. Schmoeller, Vice-Pres., Alton, Ill. (Assoc. M. Oct. '39)

Mitchell, Ansel N., Partner, Tanner & Mitchell, Architect-Engrs., 310 Ward Pkwy., Kansas City 2, Mo. (Jan. '45)

Mitchell, Charles F., Jr., Engr., Water Works, Water Dept., 703 Main St., Aurora, Ill. (Oct. '42) *M*

Mitchell, Earl T., Supt. of Filtration, Water Works, Paducah, Ky. (July '40) *P*

Mitchell, R. T., *see* Pollard, Joseph G., Co., Inc.

Mitchell, Louis, Dean, College of Applied Science, Syracuse Univ., Syracuse 10, N.Y. (Mar. '32) *M*

Mitchell, Robert D., Asst. Engr., Malcolm Pirnie Engrs., 25 W. 43rd St., New York 18, N.Y. (July '44) *MPR*

Mitchell, T. S., Comr. of Utilities, Light, Water & Sewerage, 2821 Washington St., Greenville, Tex. (July '35) *MPR*

Mitchell, William, Chief Engr. & Chemist, Northern Illinois Water Corp., 215—11th St., Streator, Ill. (Jan. '42)

Mitchell, William H., Dist. Sales Mgr., The Permutit Co., 407 S. Dearborn St., Chicago 5, Ill. (Jan. '35) *P*

Mitchell Water Dept., J. C. Scallin, City Engr., Mitchell, S.D. (Corp. M. Jan. '47) *MP*

Mizwicki, Sigmond Benny, Chief Shipboard Pipefitter, Organized Surface Div. 9-10, 700 E. Ohio St., Navy Pier, Chicago, Ill. (July '45) *P*

Moat, C. P., 487 S. Willard St., Burlington, Vt. (Jan. '15) *P*

Mobile Water Works Dept., E. M. Stickney, Supt., City Hall, Mobile 5, Ala. (Corp. M. Apr. '42)

Moellmann, Walter H., Supt., Water Plant, Board of Public Affairs, Elmore, Ohio (Oct. '46)

Moerk, Frank M., Cons. Chem. Engr., 1301 Chelten Ave., Philadelphia 26, Pa. (July '40) *PR*

Moggio, William A., Field Engr., National Council for Stream Improvement, 271 Madison Ave., New York 16, N.Y. (Jan. '40) *PR*

Mohlman, Floyd W., Chief Chemist, San. Dist. of Chicago, 910 S. Michigan Ave., Chicago, Ill. (Oct. '21) *P*

Moir, Donald, Montevideo Water Works Co., Ltd., 20-24, Moorgate, London, E.C.2, England (June '24)

Molina, Eduardo, Engr., Oklahoma 25, Col. Napoles, Mexico City, D.F., Mexico (Jan. '37)

Moline Water Works, A. E. Anderson, Supt., Foot of 18th St., Moline, Ill. (Corp. M. Jan. '16) *Fuller Award '46. MP*

Molis, Walter W., Supt. of Distr., City Water Works, 127 E. 3rd St., Muscatine, Iowa (July '35) *M*

Monroe, City of, W. H. Crow, Supt. of Water & Light, Monroe, N.C. (Corp. M. Oct. '42)

Monroe, H. L., Supt., Water Works, Pontiac, Mich. (July '19)

Monroe, Owen, Vice-Pres. & Treas., Heldt-Monroe Co., 201 N. Main St., Evansville 7, Ind. (Oct. '42) *P*

Monsanto Chemical Co., I. J. Stanley Jr., Mgr., Heavy Chemicals Sales, 1700 S. 2nd St., St. Louis 4, Mo. (Assoc. M. Apr. '37)

Monsell, Harry M., *see* Greenport Water Dept.

Montebello Land & Water Co., George S. Dodge, Secy., 424 Whittier Blvd., Montebello, Calif. (Corp. M. July '47) *M*

Monte Vista County Water Dist., W. W. Coates, Supt., 275 S. Central, Ontario, Calif. (Corp. M. Jan. '47)

Montgomery, J. H., Mgr., Water Works, North Little Rock, Ark. (Oct. '38)

Montgomery, James M., Cons. Engr., 117 E. Colorado St., Pasadena 1, Calif. (June '27) *P*

Montgomery, John Gilmour, 304 Burr St., Houston, Tex. (Oct. '43) *M*

Montgomery, Julian, Cons. Engr., 602 West Ave., Austin, Tex. (Jan. '43) *P*

Montoulieu, Henry J., Cons. Engr., Calle B. No. 508, Entre 21 y 23, Vedado, Havana, Cuba (Nov. '11) *P*

Montrose Water Board, Thomas H. Coulter, Chairman, Box 92, Montrose, N.Y. (Corp. M. July '47)

Moody, Mark L., Owner & Gen. Mgr., Culligan Soft Water Service, 519 E. Broadway, Glendale 5, Calif. (Jan. '46) *P*

Moody, William H., Pres. & Gen. Mgr., Naugatuck Water Co., 250 Meadow St., Naugatuck, Conn. (Jan. '41) *MPR*

Moomau, J. C., Mgr., Northern Illinois Water Corp., 124 W. 3rd St., Sterling, Ill. (Apr. '41) *M*

Moon, C. D., *see* New Jersey Water Co.

Moon, Levell, Comr. of Public Works, City Bldg., Lockport, N.Y. (Apr. '47)

Moon, Philip G. G., Resident Director, Bournemouth Gas & Water Co., 136 Old Christchurch Rd., Bournemouth, England (Oct. '32)

Moore, C. C., Mgr., Crane Co., Box 751, Great Falls, Mont. (Jan. '41)

Moore, Carl C., Dist. Mgr., Pittsburgh Equitable Meter Div., Rockwell Mfg. Co., 411 Bona Allen Bldg., Atlanta 3, Ga. (Apr. '39)

Moore, Charles E., Mgr., Water Dept., 2419 Avenham Ave., S.W., Roanoke 14, Va. (Oct. '23) *Director '46-'49. Fuller Award '48. M*

Moore, Edward W., Assoc. Prof., San. Chemistry, Graduate School of Eng., Harvard Univ., 112 Pierce Hall, Cambridge 38, Mass. (Oct. '38) *P*

Moore, Emmett B., Prof. of Civ. Eng. & Chairman, Dept. of Civ. Eng., Washington State College, 307 Colorado St., Pullman, Wash. (Apr. '46)

Moore, G. W., State Dept. of Health, Terminal Bldg., Rochester 4, N.Y. (Apr. '37) *P*

Moore, George S., Supt. of Utilities, Box 125, Albemarle, N.C. (Apr. '24) *MPR*

Moore, Gifford W., Sales Engr., Neptune Meter Co., 311 Haddon Field Drive, DeWitt, N.Y. (Oct. '45)

Moore, Herbert, Hydr. & San. Engr., 259 E. Wells St., Milwaukee 2, Wis. (July '28) *MPR*

Moore, Howard Lee, Supt., Water & Sewerage, Reynolds Metals Co., Jones Mills Aluminum Plant, Malvern, Ark. (July '47)

Moore, Joseph E., Supt., Water Dept., Burlington, Vt. (July '44) *MPR*

Moore, Lee S., 35 Valley View Court, New Albany, Ind. (Apr. '44) *P*

Moore, Maynard F., Supt., Water Works, Zionsville, Ind. (Apr. '42) *M*

Moore, Richard H., Cons. Engr., Box 328, Asheboro, N.C. (Oct. '46)

Moore, Russell B., Moore & Owen, Cons. Engrs., 1456 N. Delaware St., Indianapolis 2, Ind. (Jan. '28) *P*

Moore, Theodore L., Civ. Engr., U.S. Bureau of Mines, Anvil Points No. 1, Rifle, Colo. (Apr. '47) *MPR*

Moore, Thomas E., Secy., J. W. Goodwin Eng. Co., 726 S. 29th St., Birmingham, Ala. (July '48)

Moore, V. H., Engr., Warren & Van Praag, Inc., Cons. Engrs., 253 S. Park St., Decatur, Ill. (Oct. '45) *PR*

Moore, W. D., 1534—7th Ave., W., Birmingham 4, Ala. (Jan. '38) *Fuller Award '42.*

Moore, W. R., Vice-Pres. & Mgr., Cumberland Water Co., Big Stone Gap, Va. (Jan. '47)

Moore, Walter J., *see* Eugene Water Board

Moore, Walter J., Vice-Pres. & Sales Mgr., Paterson Boiler & Tank, Inc., 150 Railroad Ave., Paterson 3, N.J. (July '45) *P*

Moore, William R., Supt., Thorold Township, Thorold South, Ont. (Jan. '43)

Moorehead Public Service Dept., Joseph E. Young, Supt., 417 Center Ave., Moorehead, Minn. (Corp. M. Jan. '47) *MP*

Moorer, T. B., Supt., Dept. of Water & Sewage Works, Comrs. of Public Works, Box 528, Summerville, S.C. (Nov. '31) *MP*

Morehouse, Wallace W., Director, Dept. of Water, 101 W. 3rd St., Dayton 2, Ohio (Jan. '23) *Director '38–'39, '42–'45. MP*

Morelli, Joseph, *see* New Britain Water Board

Morenci Water & Elec. Co., The, F. Remington Barr, Supt., Box 508, Morenci, Ariz. (Corp. M. Oct. '46) *MR*

Morey, David, Jr., San. Engr., 300–01 Praetorian Bldg., Dallas 1, Tex. (May '23)

Morgan, Alan W., Chem. Engr., Tech. Sales Div., H. L. Blachford, Ltd., 977 Aqueduct St., Montreal, Que. (Jan. '47) *P*

Morgan, Clifford L., San. Engr., Crocker & Ryan, 7430 W. 48th Ave., Wheat Ridge, Colo. (Apr. '46) *MP*

Morgan, E. A., Plant Engr., Water Works, Wellsburg, W.Va. (Affil. Jan. '39) *P*

Morgan, George, Vice-Pres. & Gen. Mgr., Victaulic Co. of Canada, Ltd., 200 Bay St., Toronto 1, Ont. (Jan. '41)

Morgan, James H., Sales Engr., Wallace & Tiernan Co., Inc., 2615 Fannin St., Houston, Tex. (Apr. '46)

Morgan, James Markus, Jr., Instructor, Dept. of Civ. Eng., Virginia Military Inst., Lexington, Va. (July '46) *P*

Morgan, L. S., Div. Engr., State Dept. of Health, 415 First National Bank Bldg., Greensburg, Pa. (July '41) *P*

Morin, A., Town Engr., Town Hall, St. Jerome, Que. (Apr. '45) *MPR*

Moroney, Daniel F., Elec. Engr., Plant Dept., St. Louis County Water Co., 6600 Delmar Blvd., St. Louis 5, Mo. (Oct. '47)

Morrill, Arthur B., Cons. San. Engr., China Mission, World Health Organization, 11 Shuang Lung Hsiang, Nanking, China (Oct. '25) *P*

Morrill, John E., Secy., Sewerage & Water Board, 526 Carondelet St., New Orleans, La. (Jan. '46) *MR*

Morris, B. C., *see* National Cash Register Co., The

Morris, D. B., Pres., Lyon Chemicals, Inc., 2305 Hampden Ave., St. Paul 4, Minn. (Oct. '35) *Director '48–'51. P*

Morris, Earle H., *see* West Virginia Public Service Com.

Morris, Grover L., San. Engr., 1713 E. Madison, Oklahoma City 5, Okla. (Jan. '46) *MP*

Morris, Harry L., Comr., Dept. of Utilities, Board of Public Works, City Hall, Blair, Neb. (July '46)

Morris, Kenneth L., Mgr., South Bay Cons. Water Co., Box 429, Patchogue, N.Y. (Oct. '45) *M*

Morris, Robert Henry, Factory Repr., Mueller Co., Box 153, Neptune Beach, Fla. (July '48)

Morris, Ronald W., Plant Engr., Anthes-Imperial, Ltd., Winnipeg, Man. (July '48)

Morris, Samuel B., Gen. Mgr. & Chief Engr., Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (June '20) *Director '30–'33, '44–'45. Diven Medal '33. Vice-President '43. President '44. MR*

Morris, T., Mgr., Dauphin Cons. Water Supply Co., 15 N. 32nd St., Philadelphia 4, Pa. (Jan. '41)

Morrison, Harry H., Dist. Mgr., Liquid Conditioning Corp., 704 James Bldg., Chattanooga 2, Tenn. (July '35) *P*

Morrison, James E., Mgr. of Utilities, City Hall, Renton, Wash. (Oct. '39) *MPR*

Morrison, John H., Pres. & Chief Engr., Morrison Eng. Co., 627 Monroe Ave., Helena, Mont. (Jan. '46) *MP*

Morrison, Robert L., *see* Bristol, Va., City of

Morrow, Ben S., Engr. & Gen. Mgr., Bureau of Water Works, 209 City Hall, Portland 4, Ore. (Apr. '26) *Director '32–'35. Fuller Award '40. MR*

Morrow, David Campsey, Mgr., South Pittsburgh Water Co., 238 Brownsville Rd., Pittsburgh 10, Pa. (Jan. '46)

Morrow, Guy, Mgr., Peoria Water Works Co., Peoria 2, Ill. (June '30) *M*

Morrow, Orville E., Chem. Engr., Hall Labs., 149 California St., San Francisco, Calif. (July '46)

Morrow, Vernal H., Field Engr., Dept. of Water Supply, 3451 Orleans St., Detroit 7, Mich. (Affil. July '40) *M*

Morse Boulger Destructor Co., H. W. Thomas, Vice-Pres., 205 E. 42nd St., New York 17, N.Y. (Assoc. M. Apr. '43)

Morse, Daniel P., Development Engr., Indianapolis Water Co., 113 Monument Circle, Indianapolis 6, Ind. (Jan. '47) *MR*

Morse, Howard Scott, Vice-Pres. & Mgr., Indianapolis Water Co., 113 Monument Circle, Indianapolis 6, Ind. (Sept. '25) *Director '30–'31, '33–'36. M*

Morse, W. C., *see* Seattle Water Dept.

Mort, Linwood G., Partner, Argraves & Mort, Cons. Engrs., 70 College St., New Haven, Conn. (Apr. '46) *PR*

Mortensen, F. C., Col., SnC, San. Engr., U.S. Army, Fort Leavenworth, Kan. (Apr. '40) *P*

Mortenson, Everett N., Chem. Engr., Research Lab., Swift & Co., 4115 S. Packers Ave., Chicago 9, Ill. (Jan. '44) *P*

Mortinson, Severin A., Comr. of Public Utilities, Board of Water Comrs., St. Paul 2, Minn. (Jan. '47)

Morton, Roy J., Health Physics Div., Oak Ridge National Lab., Box P, Oak Ridge, Tenn. (July '35) *P*

Moseley, Harry H., Civ. Engr., Havens & Emerson, Cons. Engrs., 1140 Leader Bldg., Cleveland 14, Ohio (July '46) *PR*

Moseley, M. E., Mgr. & Vice-Pres., San Gabriel Valley Water Co., 242 E. Garvey Ave., El Monte, Calif. (Oct. '38) *M*

Moser, Cecil Ramsey, C. R. Moser Eng. Co., Cons. Engrs., 610 First Federal Savings & Loan Bldg., Jackson, Miss. (Oct. '46) *MPR*

Moses, Clarke F., Secy.-Treas. & Mgr., Public Utilities Com., Box 220, Mitchell, Ont. (Jan. '47)

Moses, D. V., Tech. Supt., Ammonia Dept., E. I. du Pont de Nemours & Co., Belle, W.Va. (July '39) *PR*

Moses, Howard E., Cons. Chief Engr., State Dept. of Health, 1522 N. 2nd St., Harrisburg, Pa. (Apr. '22) *P*

Moses, James E., Gen. Foreman, Water & Sewer Dept., City Hall, Durham, N.C. (Jan. '41)

Moses, John E., Jr., Sales Repr., Buffalo Meter Co., 836 S. Clinton St., Defiance, Ohio (Apr. '48)

Moss, N. V., City Mgr., City Hall, Amarillo, Tex. (July '39) *MP*

Moss, Roscoe, Pres. & Mgr., Roscoe Moss Co., 4360 Worth St., Los Angeles 33, Calif. (Oct. '35) *R*

Moss, W. D. J., *see* Glencoe Public Utilities Com.

Mott, C. S. Harding, Vice-Pres., St. Louis County Water Co., 500 Mott Foundation Bldg., Flint 3, Mich. (Apr. '48)

Moullet, Louis F., Sr. Mech. Engr., East Bay Munic. Utility Dist., 512—16th St., Oakland 4, Calif. (May '26) *R*

Mounsey, Robert J., Chemist, Water Dept., Water Plant, Lawrence, Kan. (Jan. '45)

Mount Airy, Town of, Supt., City Water Dept., Mount Airy, N.C. (Corp. M. July '37)

Mount Holly Water Co., Arthur D. Cross, Mgr. & Vice-Pres., 84 Mill St., Mount Holly, N.J. (Corp. M. Apr. '24) *M*

Mount Morris Water Dept., W. E. Hastings, Supt., Mount Morris, N.Y. (Corp. M. Apr. '39)

Mount, W. R., *see* Edmonton, City of

Mountain Water Co., E. S. Souter, Supt., 2908 Foothill Blvd., La Crescenta, Calif. (Corp. M. Oct. '47)

Mountford, Joseph, Inspector, Water Works Dept., City Hall, Guelph, Ont. (Oct. '43) *M*

Moutrey, Curtis E., Supt. of Filtration, Water Dept., City Hall, Tulsa 3, Okla. (Jan. '47) *P*

Mowder, Clyde L., Chief Engr., Investment Water Corp., Ltd., Los Angeles Investment Co., 3450 W. Vernon Ave., Los Angeles, Calif. (Oct. '35) *M*

Mowery, Ralph W., Supt., Water Works, Board of Public Affairs, Jefferson, Ohio (Apr. '48)

Mowrey, J. Hase, Mgr. of Public Utilities, 202 S. 2nd St., Chambersburg, Pa. (July '25)

Mowry, Robert B., Dist. Mgr., Wallace & Tiernan Co., Inc., 1649 N. Broad St., Philadelphia 22, Pa. (July '37) *P*

Mrva, Andrew E., Filtration Engr., South Dist. Filtration Plant, Water Purif. Div., 3300 E. Cheltenham Pl., Chicago 49, Ill. (July '42) *P*

Muckenfuss, Charles H., Supt. of Public Works, Box 437, Aiken, S.C. (Apr. '46) *M*

Muddiman, John B. C., Water Consultant, Eng. Dept., E. I. du Pont de Nemours & Co., Inc., Wilmington, Del. (July '39) *MPR*

Mudge, John Rexford, Pres., Chemical Equipment Co. of California, 1700 N. Main St., Los Angeles 54, Calif. (May '24) *P*

Muegge, O. J., San. Engr., State Board of Health, 462 State Office Bldg., Madison 2, Wis. (May '25) *PR*

Mueller, H. M., Mgr., Indus. Div., The McKays Co., 473 N. Cleveland Ave., St. Paul 4, Minn. (July '38) *P*

Mueller, Lucien W., *see* Mueller Co.

Mueller Brass Co., C. A. Hill, Port Huron, Mich. (Assoc. M. June '27)

Mueller Co., Lucien W. Mueller, Chairman of the Board, Decatur 70, Ill. (Assoc. M. Mar. '82) *MPR*

Muhleisen, Fred C., Supt., Water Dept., 309 Watson Ave., Lyndhurst, N.J. (Jan. '41) *M*

Muhlitner, Walter, Supt., Water Treatment Plant, Water Dept., Ann Arbor, Mich. (Jan. '43) *P*

Mullen, B. J., Chief Plant Engr., Detroit Dept. of Water Supply, 8300 W. Warren Ave., Dearborn, Mich. (Jan. '38) *M*

Mullen, J. N., *see* Houlton Water Co.

Mullergren, Arthur L., Cons. Engr., 202 Fairfax Bldg., Kansas City 6, Mo. (Oct. '19) *M*

Mulligan, D. G., Chief Engr., Mountain States Inspection Bureau, Box 1740, Denver 1, Colo. (Mar. '28) *M*

Mulligan, Leo A., Sr., *see* Wharton Board of Public Works

Multiplex Mfg. Co., 600 Fowler Ave., Berwick, Pa. (Assoc. M. May '16)

Muncy, Taylor, Chief Engr., Water Works, R.D. 4, Box 9, Kent, Ohio (July '48)

Munding, Germaine G. (Miss), Chemist in Charge of Lab., New York Water Service Corp., 90 Broad St., New York 4, N.Y. (Jan. '47) *MP*

Mundy, Ambros, Supt., Middlesex Water Co., Woodbridge, N.J. (Mar. '14)

Municipal Supply Co., Miss L. F. Pier, Secy.-Treas. & Gen. Mgr., 3402 Capitol Ave., Houston, Tex. (Assoc. M. Jan. '47)

Munn, Harvey T., Hydr. Engr., National Board of Fire Underwriters, 222 W. Adams St., Chicago 6, Ill. (Mar. '20) *M*

Munns, David F., Mgr. & Part Owner, Culligan Soft Water Service, 506 E. Hampden. Englewood, Colo. (July '48)

Munro, Neil, Engr., The Dorr Co., 602 Victory Bldg., Toronto 1, Ont. (July '44) *P*

Munroe, Walter C., Chief Engr., Anne Arundel County San. Com., Box 306, Annapolis, Md. (Jan. '24) *P*

Murden, X. D., Supt., Water Dept., Box 496, Portsmouth, Va. (July '41) *MP*

Murdoch, John H., Jr., Atty. & Vice-Pres., Water Works Service Co., Inc.. 50 Broad St., New York 4, N.Y. (May '30) *M*

Murdoch, William J., San. Engr., 3984 Drexel Rd., Pittsburgh 4, Pa. (Jan. '36)

Murff, Guy M., *see* Riegel Textile Corp.

Murnane, David J., Water Engr., Munic. Offices, Singapore, Straits Settlements (Nov. '29)

Murphy, Alvin R., Div. Mgr., Wallace & Tiernan Co., Inc., 922 Hamilton Bank Bldg., Knoxville, Tenn. (Apr. '11) *P*

Murphy, Alvin R., Jr., Field Engr., Wallace & Tiernan Co., Inc., 922 Hamilton Bank Bldg., Knoxville, Tenn. (Jr. M. Oct. '47) *MPR*

Murphy, Harley A., Supt., Water Dist. No. 1, 625 Main St., Vestal, N.Y. (Oct. '43) *M*

Murphy, J. P., Foreman, Water Dept., 119 King St., La Crosse, Wis. (Oct. '39)

Murphy, James P., Filter Plant Supt., Illinois Water Service Co., 124 W. Washington St., Pontiac, Ill. (Apr. '38) *P*

Murphy, Lindon J., Prof. of San. Eng., Civ. Eng. Dept., Univ. of Missouri, Columbia, Mo. (Jan. '27) *P*

Murphy, T. L., Chemist, 1209—13½ St., S., Fargo, N.D. (Apr. '47)

Murphysboro Water Co., F. D. Bohannon, Mgr., 1101 Chestnut St., Murphysboro, Ill. (Corp. M. Oct. '43) *M*

Murray, A. L., *see* General Utilities Co., Ltd.

Murray, Alban J. M., c/o Johnson & Johnson Pty., Ltd., Stephen Rd., Botany, N.S.W., Australia (Jan. '40)

Murray, Angus M., Chief Engr. of Pumping Station & Supt. of Filtration Plant, Beach Pumping Station, Box 86, R.R. No. 5, Hamilton, Ont. (Jan. '47)

Murray, C. J., Partner & Mgr., Pacific Water Works Supply Co., 2900—1st Ave., S., Seattle 4, Wash. (Jan. '46)

Murray, Franklin R., Cons. Engr., 924 Ferguson Ave., Newport News, Va. (Jan. '46)

Murray, J. J., Jr., Owner, Chemist & Bacteriologist, Murray Lab., Capers Bldg., Greenville, S.C. (July '35) *P*

Murray, Joseph Francis, Engr. of Special Assignments, Dept. of Public Works, Div. of Water, 101 City Hall Annex, Newark 2, N.J. (Jan. '42) *MPR*

Murray, Joseph J., Water Comr., Water Dept., 184 Washington St., Newton, Mass. (Oct. '39)

Murray, Walter, Asst. Civ. Engr., Gore & Storrie, 1130 Bay St., Toronto, Ont. (Jan. '48) *MPR*

Murthy, N. Krishna, 161, Vanivilas Rd., Basavanagudi P.O., Bangalore, India (Jan. '48)

Muscatine City Water Works, J. W. Andersen, Gen. Mgr., 127 E. 3rd St., Muscatine, Iowa (Corp. M. May '21)

Muscoy Mutual Water Co. No. 1, Water Works Management Div., W. D. Noble, Pres., 2164 Darby St., San Bernardino, Calif. (Corp. M. Oct. '46) *M*

Musgrave, A. S. G., Munic. Engr., Corp. of Dist. of Oak Bay, Municipal Hall, Oak Bay, B.C. (Apr. '42) *P*

Musser, Harry P., Pres., Mullens Water Works, 709–12 Security Bldg., Charleston 1, W.Va. (Oct. '22) *M*

Musser, John Wesley, Sr. Chemist, Water Dept., Flint, Mich. (July '43) *MP*

Mussey, Orville Durey, Hydr. Engr., U.S. Geological Survey, Box 1338, University Station, Charlottesville, Va. (Jan. '47) *R*

Mussi, Angelo P., Asst. Engr., Dept. of Public Works, Div. of Water, 10 Felix St., Rochester 6, N.Y. (July '35) *MPR*

Muth, Verner R., Assoc. Utilities Engr., California Public Utilities Com., 536 State Bldg., Civic Center, San Francisco, Calif. (July '47) *MR*

Mutzberg, Fred A., San. Engr., Post Engr. Div., Fort Bragg, N.C. (Apr. '41) *M*

Myers, Bert E., Vice-Pres. & Supt., Rhinebeck Water Co., Rhinebeck, N.Y. (July '47)

Myers, E. I., Cons. Civ. Engr., 345 Law Bldg., Kansas City 6, Mo. (Jan. '43) *MP*

Myers, E. L., Myers & Noyes & Assoc., 2204–8 Tower Petroleum Bldg., Dallas 1, Tex. (July '35) *P*

Myers, Frank L., *see* Owens-Corning Fibreglas Corp.

Myers, G. S., Sales Engr., Jos. W. Eshelman & Co., Inc., 2625—6th Ave., S., Birmingham 5, Ala. (July '47) *P*

Myers, Henry C., San. Engr., California Water & Telephone Co., R. 1, Box 120, Palm City, Calif. (July '38) *P*

Myers, Howard H., Cashier, Davenport Water Co., Davenport, Iowa (July '47) *M*

Myers, James W., Jr., Vice-Pres., Philadelphia Suburban Water Co., 762 Lancaster Ave., Bryn Mawr, Pa. (Apr. '47) *Fuller Award '47. M*

Myers, W. O., *see* Ottawa Water & Light Dept.

Myers, William G., City Engr., Municipal Bldg., Harrisonburg, Va. (July '39)

Mylander, Harvey A., Dist. Mgr., De Laval Steam Turbine Co., 533 I. W. Hellman Bldg., Los Angeles 13, Calif. (Jan. '48)

Myrberg, Karl G., Sales Engr., Pittsburgh Equitable Meter Div., Rockwell Mfg. Co., 448 E. Gray St., Des Moines, Iowa (Jan. '47)

Naehr, Harry F., Supt. of Utilities, Post Engr. Office, Box 1523, Fort Benning, Ga. (Oct. '43) *MPR*

Nangle, B. A., San. Engr., State Board of Health, Pierre, S.D. (Jan. '47)

Nash, H. D., Repr., Neptune Meter Co., 1129 N.E. 15th St., Oklahoma City 5, Okla. (Apr. '43)

Nasi, Kaarlo W., San. Engr., U.S. Public Health Service, 2618 Federal Security Bldg., S., Washington 25, D.C. (Jan. '38) *P*

Nassau County Dept. of Health, Arthur H. Herberger, Director, Div. of Sanitation, West Unit, County Courthouse, Mineola, N.Y. (Mun. Sv. Sub. Apr. '40)

Nassau County Dept. of Public Works, W. Fred Welsch, Sr. Engr. in Charge of Div. of Sanitation & Water Supply, Old County Court House, Mineola, N.Y. (Mun. Sv. Sub. Jan. '45) *MR*

National Aluminate Corp., Joseph A. Holmes, 6216 W. 66th Pl., Chicago 38, Ill. (Assoc. M. June '26)

National Automatic Sprinkler & Fire Control Assn., (Miss) A. D. Bosch, Secy.-Treas., 205 E. 42nd St., New York 17, N.Y. (Corp. M. Jan. '42)

National Cash Register Co., The, B. C. Morris, Mgr., Materials Lab., Dayton 9, Ohio (Corp. M. Jan. '45) *MPR*

National Container Corp., Lab. Dept., Clarence L. Smith, Asst. Chief Chemist, Box 1620, Jacksonville 1, Fla. (Corp. M. Apr. '46) *P*

National Lead Co. [South Amboy], Titanium Div., W. L. Mann, Utilities Dept. Supt., Box 58, South Amboy, N.J. (Corp. M. July '37) *PR*

National Lead Co. [Tahawus], Titanium Div., Harrington S. Bird, MacIntyre Development, Tahawus, N.Y. (Corp. M. Apr. '47)

National Meter Div., *see* Rockwell Mfg. Co. & Pittsburgh Equitable Meter Div.

National Nu Grape Co., Miles E. Hess, Asst. Chemist, Box 1477, Atlanta 1, Ga. (Corp. M. Apr. '47) *PR*

National Rust-Proofing Co., Frank Cavenagh, Gen. Mgr., 1717 Blodgett Ave., Houston 4, Tex. (Assoc. M. Oct. '44)

National Tube Co., W. L. Schaeffer, 602 Frick Bldg., Box 266, Pittsburgh 30, Pa. (Assoc. M. May '21)

National Water Main Cleaning Co., J. A. Frank, Vice-Pres. & Gen. Mgr., 50 Church St., New York 7, N.Y. (Assoc. M. July '06)

Natt, George J., Sr. Civ. Engr., State Water Power & Control Com., 110 State St., Albany, N.Y. (Jan. '47) *R*

Natural Gas Equipment, Inc., S. Kenneth Weiser, 714 W. Olympic Blvd., Los Angeles 15, Calif. (Assoc. M. July '48)

Nau, Henry H., Utility Engr., Water Dept., City Hall, Corpus Christi, Tex. (July '47) *M*

Narayanan Nayar, V. P., San. Engr., Travancore State, India (Jan. '48) *MPR*

Naylor, George Wilson, Mgr., Punxsutawney Water Service Co., 224 W. Mahoning St., Punxsutawney, Pa. (July '35) *MP*

Neale, William F., *see* Baltimore County Metropolitan Dist.

Neary, Harry, Mgr., Service Dept., De Laval Steam Turbine Co., Trenton 2, N.J. (Apr. '46)

Neath, Richard H., Foreman, Water Works Dept., Public Utilities Com., 726 —1st Ave., E., Owen Sound, Ont. (Jan. '41) *MP*

Nebolsine, Ross, Pres., Ranney Water Collector Corp., 110 William St., New York 7, N.Y. (Jan. '46) *R*

Neches Butane Products Co., Raymond Williams, Power Engr., Box 1535, Port Neches, Tex. (Corp. M. Jan. '48)

Needham, Earlie B., Dist. Engr., U.S. Public Health Service, Dist. No. 8, 304 New Custom House Bldg., Denver 2, Colo. (Oct. '46) *P*

Neelly, J. M., Supt. of Distr., 909 E. 14th St., Pawhuska, Okla. (Oct. '47)

Neenah Water Dept., Everett Westfahl, Supt., City Hall, S. Commercial St., Neenah, Wis. (Corp. M. Apr. '39) *R*

Negaunee Water Works Dept., Dayton Kellan Jr., Water Analyst, Negaunee, Mich. (Corp. M. Jan. '48)

Negri, Mario L., Director, Tecnico de Provincias y Territorios Nacionales, Obras Sanitarias de la Nacion, Buenos Aires, Argentina (July '42)

Neighbour, H. M., Supt., Water & Sewers, City Hall, Santa Ana, Calif. (Oct. '37)

Neill, Clayton B., Civ. Engr., Box LL, Carmel, Calif. (Oct. '35) *MR*

Neill, J. F., Chief Operator, Surface Supply, 909 Park St., Graham, Tex. (Oct. '46)

Nellis, Roy, *see* St. Johnsville, Village of

Nelson, Ben. O., City Engr., Pullman, Wash. (Jan. '40) *M*

Nelson, Carlton L., Jr., Partner, Baxter, Nelson & Woodman, Civ. & San. Engrs., Box 67, Crystal Lake, Ill. (Oct. '47) *PR*

Nelson, Charles, LeValley, McLeon, Kinkaid Co., Inc., 215–21 E. Church St., Elmira, N.Y. (Apr. '46)

Nelson, Clarence H., Mgr., Light & Water Com., Aitkin, Minn. (Jan. '48)

Nelson, Earl C., *see* Dover Water Comrs.

Nelson, Fred B., Civ. Engr., 16 Ft. Charles Pl., New York 63, N.Y. (July '07) *M*

Nelson, Frederick G., Mgr., Pacific Coast Div., The Dorr Co., 811 W. 7th St., Los Angeles 14, Calif. (Apr. '42) *P*

Nelson, H. Lloyd, c/o U.S. Pipe & Foundry Co., Burlington, N.J. (May '30) *Director '38–'39. Fuller Award '46. MP*

Nelson, Myron K., Chief Engr., Mission Township Main Sewer Dist., Box 31, Mission, Kan. (Jan. '47) *MPR*

Nelson, Oscar William, Chief Clerk, Water Works, Sioux City, Iowa (Apr. '46)

Nelson, Ralph M., Supt., Ada Water Co., Ada, Ohio (Oct. '46) *MPR*

Nelson, Samuel B. S., Engr. of Constr., Water System, Dept. of Water & Power, 251 S. Larchmont Blvd., Los Angeles 4, Calif. (Oct. '34) *M*

Nelson, Thurlow C., *see* New Jersey Dept. of Conservation

Nelson, William R., Asst. Power House Supt., Reynolds Metals Co., Hurricane Creek Plant, Power Div., Bauxite, Ark. (Oct. '46) *P*

Nenzel, Peter A., Asst. to Pres., California Water & Telephone Co., 300 Montgomery St., San Francisco 4, Calif. (Oct. '38) *M*

Neptune Meter Co., 50 W. 50th St., New York 20, N.Y. (Assoc. M. Aug. '94)

Nesbit, W. S., Repr., Johns-Manville Sales Corp., 722 Bank of America Bldg., San Diego 1, Calif. (Oct. '47) *PR*

Nesin, Benjamin C., Director of Labs., New York City Dept. of Water Supply, Gas & Elec., Mt. Prospect Lab., 355 Park Pl., Brooklyn 17, N.Y. (Oct. '37) *P*

Ness, Henry G., Dist. Mgr., Layne-Northern Co., Inc., Box 12, N. Lansing Station, Lansing, Mich. (Apr. '48)

Nessa, Herbert, Supt., Water Dept., Forest City, Iowa (Jan. '47)

Neusius, Frank, Supt., Royal Oak Township Water Dept., 23050 John R St., Hazel Park, Mich. (Apr. '44)

Nevius, F. C., Dist. Mgr., Turbine Equipment Co., 217 East St., Rochester, N.Y. (Oct. '46)

Nevling, J. B., Pres. & Mgr., Clearfield Water Co., Clearfield, Pa. (Oct. '14)

New Britain Water Board, Joseph Morelli, Atty., 27 W. Main St., New Britain, Conn. (Corp. M. Apr. '47) *M*

New Jersey Dept. of Conservation, Div. of Water Policy & Supply, Thurlow C. Nelson, Chairman, Rutgers Univ., New Brunswick, N.J. (Corp. M. Apr. '36) *PR*

New Jersey Water Co., C. D. Moon, Mgr., 610 Station Ave., Haddon Heights, N.J. (Corp. M. Jan. '27) *MPR*

New Mexico Dept. of Public Health, Charles G. Caldwell, Director, Div. of San. Eng. & Sanitation, Box 711, Santa Fe, N.M. (Corp. M. Jan. '45)

New Mexico Public Service Com., W. W. Nichols, Chairman, Box 561, Santa Fe, N.M. (Corp. M. Jan. '44) *PR*

New Mexico Public Service Co., Las Vegas Div., Ross E. Thompson, Div. Mgr., Box 269, Las Vegas, N.M. (Corp. M. May '09) *M*

New Mexico Public Service Co., Santa Fe Div., M. C. Heffelman, Vice-Pres. & Div. Mgr., Santa Fe, N.M. (Corp. M. Mar. '24) *MPR*

New Mexico, Univ. of, Ross P. Thomas, Supt. of Utilities, Albuquerque, N.M. (Corp. M. Oct. '47) *M*

New Rochelle Water Co., F. W. Schulz, Vice-Pres. & Treas., 29 Cottage Pl., New Rochelle, N.Y. (Corp. M. Jan. '27) *P*

New Toronto Public Utilities Com., A. H. R. Thomas, Mgr., 874 Lake Shore Rd., New Toronto, Toronto 14, Ont. (Corp. M. Jan. '33) *MP*

New Westminster, City of, Russell E. Potter, Chairman, Water Com., New Westminster, B.C. (Corp. M. Jan. '36)

New York State Conservation Dept., George E. Burdick, Sr. Aquatic Biologist, 383 Main St., E., Rochester 4, N.Y. (Corp. M. Oct. '42)

Newark Water Works, LeRoy H. Wright, Supt., Village Hall, Newark, Wayne County, N.Y. (Corp. M. Jan. '47) *MR*

Newby, William Murray, Asst. Mech. Engr., H. G. Acres & Co., Cons. Engrs., 2135 Culp St., Niagara Falls, Ont. (Jan. '44) *MPR*

Newell, Clark, Supt., Water Works, Box 565, Provo, Utah (July '28) *MP*

Newell, H. E., Mgr., Missouri Utilities Co., 15 S. Webb St., Webb City, Mo. (Apr. '44) *M*

Newhouse, Alfred E., City Engr., City Hall, Wooster, Ohio (Jan. '48)

Newkirk, Samuel Frank, Jr., Engr. & Supt., Board of Water Comrs., 101 City Hall, Elizabeth 4, N.J. (Oct. '27) *Director '38–'41, '46. Diven Medal '42. Fuller Award '43. Vice-Pres. '44. President '45. MPR*

Newland, S. H., Dist. Mgr., Wallace & Tiernan Co., Inc., 1262 Commonwealth Ave., Boston 34, Mass. (Oct. '39) *P*

Newlands, James A., Pres., The Henry Souther Eng. Co., 11 Laurel St., Hartford 6, Conn. (Oct. '14) *P*

Newman, Alfred C., 1107 S. 8th St., Leesburg, Fla. (July '37) *M*

Newmarket Water Dept., R. F. D. Bosworth, Engr., 1 Water St., Newmarket, Ont. (Corp. M. Jan. '41) *MPR*

Newnam, F. H., Supt. of Production, Filter Plant, Beaumont, Tex. (Jan. '44)

Newnan Water & Light Com., Roswell C. Atkinson, Secy., Municipal Bldg., Newnan, Ga. (Corp. M. July '42)

Newquist, O. A., Mgr., Muncie Water Works Co., 316 S. Mulberry St., Muncie, Ind. (Jan. '44) *MPR*

Newsom, Reeves, Village Mgr., Village Hall, Scarsdale, N.Y. (Nov. '18) *Director '35–'38, '39–'40. President '39. M*

Newton, Harry, *see* Port Ewen Water Dist.

Newton, Harry E., Professional Civ. Engr., Kane, Pa. (Oct. '40) *MPR*

Newtown, Citizens Water Supply Co. of, J. Edward Meyer, Pres., 83–11 Whitney Ave., Elmhurst, N.Y. (Corp. M. Jan. '11) *M*

Niagara Alkali Co., James E. Ferris, 60 E. 42nd St., New York 17, N.Y. (Assoc. M. Apr. '13)

Niagara Water Dept., J. H. Brown, Supt., Niagara-on-the-Lake, Ont. (Corp. M. Jan. '43)

Nice, Max, Asst. Civ. Engr. Constr., New York City Dept. of Water Supply, Gas & Elec., 2449 Municipal Bldg., New York 7, N.Y. (Jan. '43) *MP*

Nicholls, Frank Roy, Deputy Engr., Associated London Properties, Ltd., St. Ermins, Caxton St., London, S.W. 1, England (Jan. '46) *M*

Nichols, Charles T., *see* Rockaway Water Dept.

Nichols, James R., Foreman, Indio Water Service, Indio, Calif. (Apr. '48)

Nichols, M. Starr, Prof. of San. Chemistry, Univ. of Wisconsin, Madison 6, Wis. (Jan. '26) *R*

Nichols, R. H., Water Control Station Engr., Water Dept., 4437—40th Ave., S.W., Seattle 6, Wash. (July '44)

Nichols, Robert L., San Engr., 3rd Army Corps Area, Savage, Md. (Apr. '43)

Nichols, Robert L., 407 Danciger Bldg., Fort Worth 2, Tex. (Jr. M. Jan. '47)

Nichols, W. W., *see* New Mexico Public Service Com.

Nicholson, Gordon A., Town Engr., New Glasgow, N.S. (Apr. '47) *MR*

Nicklis, James A., Dist. Repr., Wallace & Tiernan Co., Inc., 2742 Tremont Rd., Columbus 8, Ohio (Apr. '39)

Nicol, Thomas Bruce, Civ. Engr., 341 Pitt St., Sydney, N.S.W., Australia (July '33)

Nido, Julius A., Supt., Bureau of Water, 114 Benedict St., Waterbury 65, Conn. (Jan. '48) *MPR*

Niedrich, August J., Chemist, New York City Dept. of Water Supply, Gas & Elec., 355 Park Pl., Brooklyn, N.Y. (July '41) *P*

Niemeyer, Howard W., Supt. of Distr., Indianapolis Water Co., 113 Monument Circle, Indianapolis 6, Ind. (Apr. '30) *M*

Niles, Charles A., Director of Sanitation, Suffolk County Dept. of Health, Riverhead, N.Y. (Jan. '45) *PR*

Niles, Philip B., Owens-Illinois Glass Co., Toledo, Ohio (Jan. '48)

Niles, Thomas McMaster, Partner, Greeley & Hansen, 220 S. State St., Chicago 4, Ill. (Oct. '41) *MPR*

Nilmeier, Herbert P., Sr. San. Engr., Public Works Dept., 12th Naval Dist., Federal Office Bldg., San Francisco, Calif. (Jan. '45) *P*

Ningard, Louis G., Sr. Engr., Bureau of Water Supply, Baltimore 2, Md. (Apr. '42) *MR*

Nisbet, George A., Town Supervisor & Water Supt., Box 554, Palisade, Colo. (Oct. '34) *M*

Nisbet, Thelma (Mrs.), Lab. Asst., Plant Dept. Lab., 509 S.W. 16th St., Fort Lauderdale, Fla. (Jr. M. Apr. '47)

Niskayuna, Town of, C. F. Carpenter, Supt. of Water & Sewers, 2248 Story Ave., Schenectady 8, N.Y. (Corp. M. Jan. '45) *MPR*

Nix, Lewis E., San Benito, Tex. (Oct. '43)

Nixon, D. D., Engr. & Mgr., Public Utilities, Lampasas, Tex. (Jan. '48) *M*

Nixon, Ray, Supt. of Utilities, Herington, Kan. (Jan. '48)

Noble, Ralph E., Prin. Filtration Bacteriologist, South Dist. Filtration Plant, Water Purif. Div., Dept. of Public Works, 3300 E. Cheltenham Pl., Chicago 49, Ill. (Mar. '27) *P*

Noble, W. D., *see* Muscoy Mutual Water Co. No. 1

Noden, Karl J., *see* East Moline Water Works Dept.

Noel, Carl F., Dist. Mgr., A. P. Smith Mfg. Co., 656—31st St., Oakland 9, Calif. (July '43) *PR*

Noguera S., Gustavo, Chief San. Engr., Ministry of Health, Apdo. 1509, Bogota, Colombia (Apr. '38)

Noice, W. Vincent, Culligan Soft Water Service, 615 E. Georgia St., Gunnison, Colo. (July '48)

Nolan, Dan C., Jr., *see* Greenburgh Water Dept.

Nollett, Frank, *see* Bath Elec., Gas & Water System

Noonan, W. H., Civ. Engr., Box 606, Halifax, N.S. (Apr. '48)

Norcom, George D., Consultant, R.F.D. 1, Box 229, Red Bank, N.J. (June '21) *P*

Nordell, Eskell, Administrator, Anal. Labs., Research & Pilot Plant Divs., The Permutit Co., Birmingham, N.J. (Apr. '37) *P*

Nordholm, H. E., *see* Red Wing Board of Water Comrs.

Noreus, Robertson E., Mgr., Tech. Dept., Northwest Paper Co., Cloquet, Minn. (Oct. '38) *P*

Norgaard, John Trout, Civ. Engr., Brown & Caldwell, Cons. Engrs., 233 Sansome St., San Francisco, Calif. (Jan. '45) *P*

Norman, Earl E., Mgr., City Light & Water Utilities, City Hall, Kalamazoo 9, Mich. (Sept. '24) *MP*

Normile, Nicholas J., Supt. of Filter Plant, Bureau of Water, City Hall, Watervliet, N.Y. (Oct. '45)

Norris, Alfred O., *see* Birmingham Water Works Co., The

Norris, Clyde F., Asst. Utilities Engr., California Public Utilities Com., 536 State Bldg., Civic Center, San Francisco, Calif. (July '47)

Norris, M. Alvin, 1332 W. Princeton Ave., Orlando, Fla. (Feb. '27)

Norsworthy, M. R., *see* Albertville Water Dept.

North American Rayon Corp., Lee R. Herndon, Head of Chem. Lab., Elizabethton, Tenn. (Corp. M. Apr. '47) *MP*

North Bay, City of, E. A. Barratt, City Engr., North Bay, Ont. (Corp. M. Jan. '37)

North Carolina Dept. of Conservation & Development, W. H. Riley, Prin. Engr., Div. of Water Resources & Eng., Box 2719, Raleigh, N.C. (Corp. M. July '46) *R*

North Carolina, Univ. of, Service Plants, Elec. & Water Dept., Max D. Saunders, Supt. of Filtration, Chapel Hill, N.C. (Corp. M. Oct. '42) *P*

North Creek Water Dist., Kenneth Davis, Supt., North Creek, N.Y. (Corp. M. July '40)

North Mankato Water Dept., M. R. Wigley, Water Comr., North Mankato, Minn. (Corp. M. Oct. '45) *M*

North St. Paul Public Utilities Com., W. W. Deuel, Secy., North St. Paul, Minn. (Corp. M. Apr. '46) *M*

North York, Township of, G. H. Baker, Water Works Supt., Willowdale, Ont. (Corp. M. Feb. '32) *M*

Northern Indiana Public Service Co., E. D. Anderson, Vice-Pres., 5265 Hohman Ave., Hammond, Ind. (Corp. M. Jan. '36) *MP*

Northington, K. V., City Engr., Box 497, Ballinger, Tex. (July '35) *MP*

Northport Water Works Co., The, Hugh M. Pierce, Pres., 50 Church St., New York 7, N.Y. (Corp. M. Apr. '47)

Northrop, Guy C., Pres., Northrop & Co., Inc., Spring Valley, N.Y. (Oct. '33) *Director '36–'37. M*

Northrop, L. E., Mgr., Branch Office, Neptune Meter Co., 701 E. 3rd St., Los Angeles 13, Calif. (Sept. '29)

Northrop & Co., Inc., Guy Northrop, Spring Valley, N.Y. (Assoc. M. Oct. '45)

Norton, Brayton S., *see* Laguna Beach County Water Dist.

Norton, John F., Head, Dept. of Bacteriological Research, Research Div., The Upjohn Co., Kalamazoo 99, Mich. (May '26) *P*

Norton, Louis G., *see* Saticoy Water Co.

Norton, P. J., Clerk, Caledonia, Ont. (Apr. '48)

Norton, Town of, W. P. Kanto, Norton, Va. (Corp. M. Jan. '25)

Norwich, City of, Water Works, S. N. Kelly, Engr. & Mgr., City Hall, Norwich, Norfolk, England (Corp. M. July '46) *MP*

Novaro, Joseph A., Civ. Engr., Asst. Secy.-Treas., Clarence Blair Assoc., Inc., Cons. Engrs., Box 236, New Haven, Conn. (Jan. '47) *MP*

Nova Scotia Board of Insurance Underwriters, W. Shakespeare, Mgr., Box 938, Halifax, N.S. (Corp. M. Oct. '40)

Novasel, Jack N., Pres., Victory White Metal Co., 6100 Roland Ave., Cleveland 4, Ohio (Jan. '43) *M*

Noyes, A. J., *see* Deming Water Dept.

Noyes, E. N., Cons. Engr., Myers & Noyes & Assoc., 319–22 Wilson Bldg., Corpus Christi, Tex. (Apr. '43) *PR*

Nuebling, Edward, Civ. Engr., 525 W. 238th St., Riverdale, New York 63, N.Y. (Mar. '25)

Nuesse, Elmer C., Chief Engr., Eng. Div., Public Utilities Com., State Office Bldg., Hartford, Conn. (Jan. '46) *MP*

Nunez, Luis Alberto, Prof. of Hydraulics, Univ. of Havana, Calle 23 No. 1258, Vedado, Havana, Cuba (Jan. '41)

Nunn, Henry E., Supt., Water & Sewers, Midland, Tex. (Oct. '34) *M*

Nussbaumer, Newell L., Nussbaumer & Clarke, Inc., Engrs., 327 Franklin St., Buffalo 2, N.Y. (May '34) *P*

Nutley Water Dept., Dudley R. Shepard, Supt. of Public Works, Town Hall, Nutley 10, N.J. (Corp. M. July '43) *M*

Nutt, J. A., Mgr., Monongahela City Water Co., 111—3rd St., Monongahela City, Pa. (Apr. '43) *M*

Nutting, H. C., Pres., H. C. Nutting Testing Engrs., 4120 Airport Rd., Cincinnati 26, Ohio (Apr. '40) *P*

Nutting, H. C., Co., The, 4120 Airport Rd., Cincinnati 26, Ohio (Assoc. M. Sept. '33)

Nutting, N. C., Dist. Mgr., California Water Service Co., Box 269, Martinez, Calif. (Sept. '33)

Oakmont Water Authority, W. H. Bottelsen, Gen. Mgr., 748 Allegheny River Blvd., Verona, Pa. (Corp. M. Apr. '09) *MP*

Oakville Water & Light Com., H. B. Lofquist, Chairman, Oakville, Ont. (Corp. M. Apr. '34)

Oberholtz, Lester, 1316 S. Margo, Los Angeles 15, Calif. (Jan. '41)

Oberly, H. T., Box 2842, St. Petersburg 1, Fla. (Oct. '39) *M*

Oberndorfer, M. W., Owner, W. P. Oberndorfer & Son, Mfrs. Agent, Dean Bldg., 201 E. Plume St., Norfolk 10, Va. (Oct. '43)

Obreiter, Joseph W., *see* Bloomfield, Town of

O'Brien, Earl F., Partner, Holmes, O'Brien & Gere, Cons. Engrs., 204 E. Jefferson St., Syracuse, N.Y. (Apr. '43) *P*

O'Brien, Hubert F., *see* Smith, A. P., Mfg. Co., The

O'Brien, J. E., Sr. San. Chemist, Div. of Labs. & Research, State Dept. of Health, New Scotland Ave., Albany 1, N.Y. (Jan. '46) *P*

Ocala Water Dept., Lloyd H. Lutz, Supt., Water & Light Dept., Ocala, Fla. (Corp. M. Apr. '38) *M*

Ockershausen, Richard W., General Chemical Div., Allied Chemical & Dye Corp., Tech. Service, Edgewater, N.J. (Apr. '37) *P*

O'Connell, William J., Jr., Indus. & Chem. Eng. Consultant, W. J. O'Connell & Assoc., 109 Stevenson St., San Francisco 5, Calif. (Apr. '41) *P*

O'Connor, C. J., Supt. of Water, 100 E. 154th St., Harvey, Ill. (Jan. '48)

O'Connor, Philip J., Supervisor of Filtration & Chief Chemist, Water Dept., 821 Kenilworth Ave., S.E., Warren, Ohio (Feb. '22) *MP*

O'Connor, T. Francis, Civ. Engr., War Dept., O.C.E., 425 Turner St., Chevy Chase 15, Md. (Jan. '44)

Oconomowoc Water Dept., John W. Bolson, Supt., Oconomowoc, Wis. (Corp. M. June '29)

O'Day, George P., *see* Eddy Valve Co.

Odell, Rex, Citizen Water Comr., Water Board, 310 Magnolia St., Bellingham, Wash. (Jan. '43) *M*

O'Dell, Wilson H., Supt., Public Works, 30 W. Main St., Webster, N.Y. (Jan. '37)

O'Donnell, Charles F., Engr., Nussbaumer & Clark, 327 Franklin St., Buffalo 2, N.Y. (Apr. '47)

Odor, W. Ray, Sales Mgr., Lynchburg Foundry Co., Lynchburg, Va. (Jan. '39) *MP*

Oeffler, Weldon A., Mgr., Sunny Isles Water Co., Box 36, North Miami Beach, Fla. (Jan. '37) *MPR*

Oelklaus, Walter G., Supt., Munic. Water Works, 101 S. Main St., St. Charles, Mo. (Apr. '40) *M*

O'Fallin, E. E., Operator, Forrest City Water & Light Co., Box 575, Forrest City, Ark. (Jan. '46)

Ogborn, Courtney M., Johnstown Water Co., Johnstown, Pa. (Apr. '37) *P*

Ogden, John B., Asst. Gen. Supt., Passaic Valley Water Com., 137 Ellison St., Paterson 1, N.J. (July '38) *M*

Ogden, William H., Pres., South Bay Cons. Water Co., 60 Glen St., Glen Cove, N.Y. (July '35) *M*

Ogden, Willis L., 6171 N. Sheridan Rd., Chicago, Ill. (Nov. '43) *P*

O'Gorman, Dan R., Chemist, Supply & Purif. Dept., St. Louis Water Dept., Chesterfield, Mo. (July '44) *P*

O'Hara, Alexander Stuart, Regional Consultant in Sanitation, San. Eng. Div., Ontario Dept. of Health, Parliament Bldgs., Toronto 2, Ont. (Jan. '47)

Ohio Inspection Bureau, Roy E. Julian, Mgr., 431 E. Broad St., Columbus 16, Ohio (Corp. M. July '45) *R*

Ohio Salt Co., The, H. M. Olson, Mgr., Water Softening Div., 171 Longue Vue Drive, Mt. Lebanon, Pittsburgh 16, Pa. (Assoc. M. Oct. '37)

Ohio Water Resources Board, C. V. Youngquist, Chief, 553 E. Broad St., Columbus 15, Ohio (Corp. M. Oct. '45) *R*

Ohland, Harold M., Hydr. Engr., Bureau of Water, 22 City Hall, Jersey City, N.J. (July '37) *MPR*

Ohr, Milo F., Director, Airport Div., Giffels & Vallet, Inc., 1000 Marquette Bldg., Detroit 26, Mich. (Jan. '42) *P*

Ohrt, Frederick, *see* Honolulu Board of Water Supply

Oil City Bureau of Water, J. M. Sharp, Director, 248 Seneca St., Oil City, Pa. (Corp. M. July '34) *M*

Oke, Ernest E. W., City Engr., Waterloo, Ont. (July '34)

Olean Water Dept., Harry E. Smith, Supt., City Hall, Olean, N.Y. (Corp. M. Apr. '29)

O'Leary, Frederick J., 308 S. Clark Drive, Beverly Hills, Calif. (Oct. '34)

O'Leary, J. E., *see* Pittsburgh-Des Moines Steel Co.

Olien, H. C., Tech. Director, Cudahy Bros. Co., Cudahy, Wis. (July '43) *P*

Oliver, Burton L., Chief Engr., E. T. Archer & Co., 706 Railway Exchange Bldg., Kansas City 6, Mo. (Apr. '48)

Oliver, Gilberto, San. Engr., Bureau of Sanitation, Dept. of Health, San Juan, Puerto Rico (Jr. M. Apr. '46) *P*

Oliver, John Craig, Asst. City Engr., Sewers & Water Works, City Engr.'s Office, City Hall, Vancouver, B.C. (Jan. '47) *M*

Oliver, W. C., Comr., Box 1010, San Benito, Tex. (Apr. '48)

Olivieri, Jorge, a/c Comissao Aguas e Esgotos Avenida Sete de Setembro, Salvador, Bahia, Brazil (July '48)

Olsen, Edward A., Pres., New York Water Service Corp., 90 Broad St., New York 4, N.Y. (Jan. '45)

Olsen, Erling O., Supt. of Water Maint., City Garage, Campbell St., Alpena, Mich. (July '48)

Olsen, Fred J., Supt., Palatine Hill Water Dist., 255 S.W. Breyman St., Portland 1, Ore. (Apr. '40)

Olsen, Harry, *see* California Oregon Power Co.

Olsen, William C., Cons. Engr., Raleigh, N.C. (Dec. '21) *Fuller Award '42. P*

Olson, C. B., Supt. of Utilities, Water & Light Dept., Ada, Minn. (Jan. '47)

Olson, H. M., *see* Ohio Salt Co.

Olson, Oscar A., Engr., Mercer Island Co-operative Water Assn., Route 1, Box 305, Mercer Island, Wash. (Apr. '44) *M*

Olson, Oscar R., *see* Terminal City Iron Works, Ltd.

Olson, Willard Martin, Chem. Control Engr., Bureau of Eng., 3300 Cheltenham Pl., Chicago 49, Ill. (Apr. '26) *P*

Omaha Metropolitan Utilities Dist., Walter S. Byrne, Secy. & Gen. Mgr., Utilities Bldg., Harney at 18th St., Omaha 2, Neb. (Corp. M. Apr. '12)

Omega Machine Co., Div. of Builders Iron Foundry, Roland J. Leveque, Sales Mgr., 9 Codding St., Providence 1, R.I. (Assoc. M. Jan. '30)

O'Neill, Christopher, Water & Light Supt., Lake Geneva, Wis. (Feb. '30) *M*

O'Neill, John H., Director, Div. of Public Health Eng., State Board of Health, 207 Civil Courts Bldg., New Orleans 7, La. (Apr. '25) *PR*

O'Neill, Ralph W., Cons. Engr., 233A S. Brand Blvd., Glendale 4, Calif. (Jan. '44) *PR*

Ongerth, Henry J., Assoc. San. Engr., Bureau of San. Eng., 1843 Berryman St., Berkeley 7, Calif. (Oct. '39) *P*

O'Nial, William O., Tech. Officer, Filtration & Water Softening Pty., Ltd., 395 Collins St., Melbourne C.1, Australia (Jan. '36)

Opalco Lab., Henry L. Frazier, Mgr., 20 E. Pittsburgh Blvd., McKeesport, Pa. (Assoc. M. July '43)

Ophel, Ivan Lindsay, Research Student, Dept. of Plant Sciences, Univ. of Oklahoma, Norman, Okla. (Jr. M. July '48)

Orchard, William J., Gen. Mgr., Wallace & Tiernan Co., Inc., Box 178, Newark 1, N.J. (Aug. '17) *Director '36–'38, '41–'44, '48–'51. Honorary M. '37. P*

O'Reilly, A. R., 1416 Rose Virginia Rd., Reading, Pa. (May '25)

O'Reilly, Don, Public Relations Director, Washington Suburban San. Com., 4017 Hamilton St., Hyattsville, Md. (July '48)
O'Reilly, Thomas C., Asst. Civ. Engr., Water Dept., 215 W. Broadway, Long Beach, Calif. (Oct. '46) *M*
Orillia Water, Light & Power Com., L. G. McNeice, Water Works Engr., Orillia, Ont. (Corp. M. Apr. '34) *MPR*
Orlando Public Utilities Com., C. H. Stanton, Gen. Mgr., Box 3193, Orlando, Fla. (Corp. M. Aug. '33) *MP*
Orndorff, Roy L., Asst. Supt., Dist. of Columbia Water Div., District Bldg., Washington 4, D.C. (Oct. '44) *M*
Ornsen, George Millian, 120 Cabrini Blvd., New York 33, N.Y. (Jan. '28) *P*
Orr, Edwin M., Civ. Engr., 22148 Michigan Ave., Dearborn, Mich. (Apr. '46) *P*
Orr, Harry L., *see* Kewanee, City of
Orr, John L., Supt., Water Dept., Baltimore, Ohio (July '44) *MP*
Orr, L. V., *see* Water Tank Service Co.
Ortega, Enrique, Coordinating Engr., Puerto Rico Aqueduct & Sewer Service, San Juan, Puerto Rico (Jan. '42) *M*
Orth, R. F., *see* Johns-Manville Sales Corp.
Osberg, Alfred T., Supt.-Gen. Mgr., King County Water Dist. No. 20, 1822 S. 120th St., Seattle 88, Wash. (Apr. '44) *M*
Osborn, L. C., Cons. Engr., R. S. Tipton & Assoc., 1450 Columbine St., Denver 6, Colo. (Oct. '46)
Osborn, L. M., Johns-Manville Sales Corp., 600—16th St., Oakland 12, Calif. (Jan. '38)
Osborn, William D., Mgr., Pipe Cleaning Div., Flexible Sewer Rod Equipment Co., 1145 Elden Ave., Los Angeles 6, Calif. (Jan. '46)
Osborne, Herbert G., Jr. Production Engr., Southern California Water Co., 1206 S. Maple Ave., Los Angeles 15, Calif. (July '48)
Osborne, J. L., *see* Viking Supply Co., The
Osborne, James Q., Dist. Mgr., De Laval Steam Turbine Co., 706—3rd Ave., Seattle 4, Wash. (Jan. '28)
Osorio S., Luis A., Instituto Nacional de Obras Sanitarias, Caracas, Venezuela (Jan. '46) *P*
Ossining Board of Water Comrs., Wallace T. Miller, Supt., Municipal Bldg., Ossining, N.Y. (Mun. Sv. Sub. Jan. '42) *Director '47–'50. MP*
Ossolinski, John L., Designing Engr., Whitman & Howard, Cons. Engrs., 89 Broad St., Boston, Mass. (Jan. '44)
Osthoff, Richard H. L., Jr., Civ. Engr., U.S. Engr. Office, 177 Elmwood Ave., Bogota, N.J. (Oct. '46)
Ostrander, Jay H., *see* Canastota Water Dept.
Oswego Dept. of Water, Peter M. Healy, Pres., 245 W. 3rd St., Oswego, N.Y. (Mun. Sv. Sub. June '21)
Osweiler, Paul L., *see* Price Brothers Co.
O'Toole, John Edward, Owner, J. E. O'Toole Eng. Co., 706 Watts Bldg., Birmingham, Ala. (Jan. '48) *MPR*
Ott, L. H., *see* Rheem Mfg. Co.
Ottawa Water & Light Dept., W. O. Myers, Supt., 123 W. 4th St., Ottawa, Kan. (Corp. M. Apr. '45) *M*
Ouellette, Lloyd J., Head Accountant, Dept. of Water Supply, 735 Randolph St., Detroit 26, Mich. (Jan. '40) *M*
Overholt, G. T., New York Sales Agent, U.S. Pipe & Foundry Co., 71 Broadway, New York 6, N.Y. (Oct. '39) *M*
Overman, Donald C., City Chemist, Fort Scott Water Co., 910 Burk, Fort Scott, Kan. (Apr. '46)
Oviatt, George R., Supt., Smethport Water Co., Smethport, Pa. (Jan. '39)
Owego Water Works, Arthur B. Stiles, Pres., Owego, N.Y. (Corp. M. Apr. '14)
Owen, Marvin H., Mech. Engr., Operation, Pumping Plant & Reservoir Div., Dept. of Water & Power, 410 Ducommun St., Los Angeles 12, Calif. (Apr. '33) *M*
Owen, Milo L., Operator, Water Works, Board of Public Affairs, Sunbury, Ohio (July '47) *M*
Owens, James B., Supt., Fairfax Hydraulics, Inc., Box 590, Arlington, Va. (Oct. '47)
Owens-Corning Fibreglas Corp., Frank L. Myers, Mgr., Corrosion Products Sales, Toledo 1, Ohio (Assoc. M. Oct. '46)
Owings, Noble L., Asst. to Chief Engr., Washington Suburban San. Com., Hyattsville, Md. (Jan. '23) *M*
Owosso Water Dept., Walter H. Bennett, Comr. of Public Utilities, Owosso, Mich. (Corp. M. July '41) *M*
Oylear, Kenneth A., Supt., Water Works, Clarence, Mo. (Apr. '48)
Ozbas, Halil, Su Muhendisi, Soke, Aydin, Turkey (Jan. '45)
Ozone Processes Div., *see* Welsbach Corp., The

Pace, Albert A., Field Lab. Supervisor, Power Stations Dept., Duquesne Light Co., 2101 Beaver Ave., Pittsburgh 12, Pa. (Apr. '41) *P*
Pacific States Cast Iron Pipe Co., O. H. King, Vice-Pres. & Treas., Box 18, Provo, Utah (Assoc. M. Oct. '27)
Packard, F. W., Pres., Culligan Soft Water Service Co., 3550 Brunswick Ave., Minneapolis 16, Minn. (July '48)
Padgett, Robert, Water Supt., Puyallup, Wash. (Apr. '44) *M*
Paducah Water Works, (Miss) Lois Sutherland, Treas., Box 208, Paducah, Ky. (Corp. M. Jan. '34) *M*

Page, George C., Engr., Kennicott Water Softener Co., Ltd., Wolverhampton, England (June '30)

Page, Hutcheson, Chem. Engr., Hagan Corp., Chappaqua, N.Y. (July '41) *P*

Paget, Walter B., Supt. & Plant Operator, Boro Water Dept., Claysville, Pa. (Apr. '43) *M*

Paine, G. G., *see* Everett Water Dept.

Painter, Carl Elliott, Vice-Pres. & Cons. Engr., Water Works Equipment Co., 149 W. 2nd, S., Salt Lake City 1, Utah (Mar. '24) *P*

Paitovi, Antonio, Calle Rivadavia 5040, Buenos Aires, Argentina (July '19)

Palisades Del Rey Water Co., Management Div., C. C. Hagar, Gen. Mgr., 411 W. 5th St., Los Angeles 13, Calif. (Corp. M. Oct. '43) *M*

Pallo, Peter E., Asst. San. Engr., Dept. of Collection, Purif. & Sanitation, Hackensack Water Co., New Milford, N.J. (Jan. '41) *P*

Palm Springs Water Co., Harold J. Hicks, Pres., 844 N. Palm Canyon Drive, Palm Springs, Calif. (Corp. M. Oct. '37) *M*

Palmer, C. E., Pres., Palmer Filter Equipment Co., 822 E. 8th St., Erie, Pa. (Oct. '40) *MP*

Palmer, F. C., Chief Accountant, Public Service Com., 601 Barrington St., Halifax, N.S. (Jan. '46) *M*

Palmer, F. F., City Engr., Box 486, Forsyth, Mont. (July '34) *P*

Palmer, H. L., Sales Engr., Uhrich Supply Co., 11th & Gentry, North Kansas City 16, Mo. (Jan. '47)

Palmer, J. B., Chief Operator, Filter Plant, Newport News Water Works Com., Tabb, Va. (Oct. '43) *P*

Palmer, Ralph M., Pres., Ferro-Nil Corp., 381—4th Ave., New York 16, N.Y. (Apr. '30) *P*

Palocsay, Frank S., Design Engr., Water & Sewerage Treatment, Havens & Emerson, 1140 Leader Bldg., Cleveland 14, Ohio (July '47) *P*

Pampa Water & Sewer Dept., George W. Thompson, Water Supt., Box 1661, Pampa, Tex. (Corp. M. Jan. '44)

Pan American Refining Corp., Research & Development Dept., R. H. Price, Director of Research, Texas City, Tex. (Corp. M. Jan. '42) *PR*

Panama Canal, The, Munic. Eng. Div., Frank H. Lerchen, Munic. Engr., Balboa Heights, C.Z. (Corp. M. July '47) *MPR*

Panhandle Construction Co., Homer D. Grant, Vice-Pres., Box 1500, Lubbock, Tex. (Assoc. M. Oct. '47)

Panula, Gustaf Henry, Assoc. Chem. Engr., Armour Research Foundation, 35 W. 33rd St., Chicago 16, Ill. (Apr. '46) *P*

Papesch, George G., Asst. Supt., Bureau of Water, 701 French St., Erie, Pa. (Jan. '46) *MP*

Pappmeier, Louis S., Cons. Engr., Pappmeier Eng. Co., 404 Hill Arcade, Galesburg, Ill. (Jan. '45) *P*

Parbury, Charles B., Vice-Pres. & Gen. Mgr., Water Works, Box 229, San Jose, Calif. (Apr. '41) *MPR*

Pardoe, William S., Prof. of Hydr. Eng., Univ. of Pennsylvania, Philadelphia, Pa. (Apr. '44)

Paris Compagnie Générale des Eaux, G. Huvelin, Asst. Gen. Mgr., 52 rue d'Anjou, Paris 8, France (Corp. M. Jan. '45) *MPR*

Paris Public Utilities Com., George Boucher, Supt., Box 180, Paris, Ont. (Corp. M. Jan. '42)

Park, J. H., City Mgr., City Hall, Compton, Calif. (Jan. '39)

Parker, Earl, Supt., Water & Sewer Dept., Gladewater, Tex. (Oct. '43)

Parker, F. J., *see* Kingston Public Utilities

Parker, Garald Gordon, Dist. Geologist, Div. of Ground Water, U.S. Geological Survey, Box 348, Coconut Grove 33, Fla. (Jan. '46) *R*

Parker, I. Curtiss, Cons. Engr., Parker & Hill, 2021 Smith Tower, Seattle 4, Wash. (Jan. '41)

Parker, J. C., Supt., Public Utility Com., Main & Martin Sts., Elizabeth City, N.C. (Jan. '39)

Parker, J. Sanders, Cons. Engr., 816—8th Ave., S., Nashville 4, Tenn. (July '46) *P*

Parker Lab., William Schirmer, Cons. Chemist, 40 Broad St., Charleston 3, S.C. (Corp. M. Jan. '39) *P*

Parker, Lyndall K., Supt., Water Dist., 268 Court St., Auburn, Me. (Apr. '45) *M*

Parker, Robert F., Chief Operator, Water Filtration & Treatment Plant, Raymondville, Tex. (Jan. '46) *P*

Parker, William N., Gen. Mgr., California-Michigan Land & Water Co., 357 S. Hill St., Los Angeles 13, Calif. (July '46)

Parkhurst, Marvin L., Pres., Parkhurst Distributing Co., Inc., Traffic Circle, Routes 6 & 10, Ledgewood, N.J. (Oct. '44)

Parkinson, Eugene, Supt., Water Works, Box 294, Port Credit, Ont. (Jan. '40) *MP*

Parks, A. D., Sales Repr., Mueller Co., 2036 E. 7th St., Charlotte, N.C. (July '47)

Parks, Clare A., Mgr., Transite Pipe Dept., Johns-Manville Sales Corp., 777 Thomas St., Seattle 9, Wash. (May '38)

Parks, James A., 320 W. 33rd St., Vancouver, Wash. (Oct. '35) *P*

Parks, Jay T., Plant Operator, Water Dept., Box 132, Snyder, Okla. (Jan. '48)

Parks, W. H., Mgr. & Purchasing Agent, Elec. & Water Plant, 99 Market St., Bennettsville, S.C. (July '35)

Parks, W. J., Jr., San. Engr., Reynolds, Smith & Hills, 227 Park St., Box 4817, Jacksonville 1, Fla. (Aug. '29) *MPR*

Parlett, Russell C., Water Chemist, Illinois Central R.R., Baggage Room, Mattoon, Ill. (Apr. '37) *P*

Parnell, J. G., Vice-Pres. & Gen. Mgr., Smith-Monroe Co., 1912 S. Main St., South Bend 23, Ind. (Jan. '43) *R*

Parratt, S. L., Asst. Civ. Engr., Los Angeles Dept. of Water & Power, Box 147, Independence, Calif. (Oct. '31)

Parrish, Dorothy M. (Mrs.), Geological Survey, Oklahoma A & M College, 306 Chemistry Bldg., Stillwater, Okla. (Oct. '44) *R*

Parrish, Rial T., Architect-Engr., 945 U.B. Bldg., Dayton 2, Ohio (July '44) *P*

Parrott, V. D., Jr., Supt., Water, Light & Sinking Fund Com., Box 58, City Hall, Dalton, Ga. (Jan. '46) *MP*

Parsons, Norman W., c/o C. C. Smiths Sons, Fidelity Bldg., Wheeling, W.Va. (Oct. '34)

Parsons, Richard C., Chief, Utilities Design Sec., Manila Engr. Dist., APO 900, c/o Postmaster, San Francisco, Calif. (Oct. '47)

Partridge, Everett P., *see* Calgon, Inc.

Pasadena Water Dept., Morris S. Jones, Chief Engr. & Gen. Mgr., 319 City Hall, Pasadena 1, Calif. (Corp. M. Oct. '24) *M*

Pasarew, I. Alvin, *see* Maryland State Planning Com.

Patchen, C. B., City Supt., Box 465, Lindsay, Calif. (Oct. '47) *M*

Pate, George W., Sr., Supt. of Water, Nickerson, Kan. (July '46)

Patera, Edward L., Cons. Engr., 625 Royal Union Bldg., Des Moines 9, Iowa (Oct. '46) *MPR*

Paterson, A. B., Pres., New Orleans Public Service, Inc., 317 Baronne St., New Orleans 9, La. (July '37)

Paterson, Alexander McCulloch, Chief Engr., Bristol Waterworks Co., Telephone Ave., Bristol, England (Jan. '45)

Paterson, William, The Paterson Eng. Co., Ltd., Windsor House, Kingsway, London, W.C.2, England (Nov. '24) *P*

Patrick, E. E., Water Supt., Dillon, Mont. (Apr. '44)

Patrick, J. G., Chemist, West Virginia Pulp & Paper Co., Luke, Md. (June '30) *P*

Patrick, L. A., Water Service Engr., Electro-Motive Div., General Motors Corp., La Grange, Ill. (Oct. '44)

Patten, G. H., Supt., Water Dept., College Pl., Rockville Centre, N.Y. (Oct. '38) *P*

Patterson, Archibald O., Dist. Engr., U.S. Geological Survey, Water Resources Branch, Box 607, Ocala, Fla. (Oct. '47) *R*

Patterson, Howard, Supt., Water Plants & Distr. Mains, Duke Power Co., 302 N. Main St., Anderson, S.C. (Jan. '43) *P*

Patterson, J., *see* Brampton Water Com.

Patterson, J. R., Chief Engr., Russell & Axon, Cons. Engrs., 408 Olive St., St. Louis 2, Mo. (Jan. '45) *PR*

Patterson, J. W., Div. Mgr., Water Utilities Service Corp., Box 146, Lemoyne, Pa. (Oct. '38) *M*

Patterson, James N., Chemist, Box 272, Salinas, Calif. (Oct. '35) *P*

Patterson, Orville W., Supt. of Utilities, Water & Light Plant, 107 S. Holland St., Edinburg, Ind. (Jan. '44) *MP*

Patterson, Richard L., Cons. Engr., 2823 W. Central Ave., Newport Beach, Calif. (Sept. '28) *R*

Patterson, William Lawrence, Chief Design Engr., Black & Veatch, Cons. Engrs., 4706 Broadway, Kansas City 2, Mo. (July '44) *P*

Patton, C. S., 32 Tisdale Rd., Scarsdale, N.Y. (May '30)

Paul, Frank Dwight, Supt. of Distr., Water Works, 565 Johnston St., Akron 11, Ohio (Jan. '27) *P*

Paul, Thomas, Chemist & Chief Operator, Water Dept., Bradenton, Fla. (July '39) *P*

Paulette, George W., Div. Mgr., Infilco, Inc., 7016 Euclid Ave., Cleveland 3, Ohio (Oct. '46) *P*

Paulette, Robert G., Field Engr., Infilco, Inc., 211 Crestwood Ave., Buffalo 16, N.Y. (July '46)

Paullin, R. T., Supt., City Water Dept., Mt. Pleasant, Mich. (July '48)

Paulsen, Carl G., Chief Hydr. Engr., Water Resources Branch, U.S. Geological Survey, Washington 25, D.C. (Apr. '47)

Paulson, Hans S., *see* Colfax Water Dept.

Paulus, Harold J., S.A. Scientist (R), Indus. Hygiene Div., U.S. Public Health Service, 4709 S. 31st St., Arlington, Va. (July '41) *P*

Payette, Sedric A., Mgr., Clallam County Public Utility Dist., Box 951, Port Angeles, Wash. (Apr. '47)

Payette Water Dept., H. C. Lightfoot, Supt., City Hall, Payette, Idaho (Corp. M. July '42) *M*

Payne, Byron Elbert, Chief Engr. & Supt., Louisville Water Co., 435 S. 3rd St., Louisville 2, Ky. (July '41) *M*

Payne, David W., Supt., Water Dept., Box 384, Oroville, Wash. (Jan. '45)

Payne, Gwynne, Filter Plant Operator, 505 Church St., Spencer, W.Va. (Affil. Jan. '40)

Payne, Thomas L., San. Chemist, Detroit Water Supply, 8300 W. Warren Ave., Dearborn, Mich. (Jan. '40) *MPR*

Payne Dean & Co., Madison, Conn. (Assoc. M. Oct. '43)

Payrow, Harry Gordon, Assoc. Prof. of San. Eng., Lehigh Univ., Bethlehem, Pa. (July '43) *P*

Payton, Louis S., Dist. Public Health Engr., Div. of Health, Higginsville, Mo. (Apr. '48)

Pearce, Fletcher W., 3—10th St., Havre, Mont. (Jan. '42)

Pearce, Sam B., Pipe Line Contractor, 4615—2nd Ave., Los Angeles 43, Calif. (July '47) *M*

Pearl, Emanuel H., Public Health Engr., County Health Dept., Box 119, Santa Barbara, Calif. (Jan. '37) *MPR*

Pearse, Langdon, San. Engr., San. Dist. of Chicago, 910 S. Michigan Ave., Chicago 5, Ill. (Feb. '13) *P*

Pearson, J. F., Supt., Water & Light Plant, 52 S. Middleton St., Orangeburg, S.C. (Feb. '29)

Peart, J. W., *see* St. Thomas Public Utilities Com.

Pease, Maxfield, 1900 Euclid Ave., Cleveland 15, Ohio (July '35) *MPR*

Pebworth, W. B., Mgr., Atlanta Office, Hersey Mfg. Co, 511 Haas Howell Bldg., Atlanta 3, Ga. (Apr. '44)

Pebworth, W. E., Sales Mgr., Hersey Mfg. Co., 302 Great National Life Bldg., Dallas, Tex. (Oct. '46)

Peck, Ermon M., Cons. Engr., 260 Edgewood St., Hartford, Conn. (July '07)

Peck, Lawrence J., Van Nouhuys Pump & Supply Co., 131–33 Hudson Ave., Albany, N.Y. (May '27) *PR*

Peckworth, Howard F., *see* American Concrete Pipe Assn.

Pedersen, Hans Victor, Supt. & Gen. Mgr., Water Works, Municipal Bldg., Marshalltown, Iowa (Mar. '22) *Director '32–'35. Goodell Prize '45. Fuller Award '48. MR*

Pedroso, Mario, Pres., Electroquimica de Saqua S.A., Metropolitana 340–341, Havana, Cuba (Oct. '41)

Peer, Fay, Supt., Water Works Improvement Dist. No. 1, 409 Main St., Van Buren, Ark. (Oct. '45) *MP*

Peerless Pump Div., Food Machinery & Chemical Corp., W. H. Day, Adv. Mgr., 301 W. Ave. 26, Los Angeles 31, Calif. (Assoc. M. June '27)

Pegg, Don, Supt., Sandwich East Public Utilities Com., 4639 Tecumseh Rd., E., Windsor, Ont. (Jan. '48)

Pegg, Edwin S., Supt., Water Dept., Cherry Valley, N.Y. (Oct. '42) *P*

Pegg, J. F., Supt., Water Works Dept., Public Utilities Com., Blenheim, Ont. (Jan. '48) *M*

Peirce, M. O., Jr., Engr., Pontusco Corp., E. Pearl St., Burlington, N.J. (July '48)

Peirce, Ross R., Supt. of Water, Mantua, Ohio (July '48)

Peirce, Walter Anderson, Mgr., Water Dept., City Hall, Racine, Wis. (June '22) *Director '32–'34, '39–'40. Fuller Award '42. M*

Peirson, A. G., Supt., Public Utilities Com., Weston, Ont. (Feb. '23) *P*

Peirson, Nat. D., Partner, Peirson & Whitman, Cons. Engrs., Security Bank Bldg., Raleigh, N.C. (Jan. '40) *P*

Pell, William I., Civ. Engr., Armco Drainage & Metal Products, Inc., Box 1657, Baltimore 3, Md. (July '45)

Pelton, G. Dorr, Engr. & Supt. of Distr., Water Dept., City Hall, Topeka, Kan. (Oct. '38) *M*

Pelton Water Wheel Co., The, C. G. Crawford, Gen. Sales & Service Mgr., 2929—19th St., San Francisco 10, Calif. (Assoc. M. Oct. '35)

Pena D., Luciano, 10–48 Calle 11, Cali, Colombia (Jr. M. Apr. '46)

Penetanguishene Water & Light Com., R. J. Gauthier, Secy.-Treas., 5 Simcoe St., Penetanguishene, Ont. (Corp. M. Jan. '44) *M*

Penland, Fred McClure, Accountant, Water Dept., Long Beach 2, Calif. (Jan. '47) *M*

Pennebaker, T. S., *see* Denton Water, Light & Sewer Dept.

Pennell, Edgar Floyd, Supt. of Water, Board of Public Affairs, Loudonville, Ohio (July '47) *PR*

Pennichuck Water Works, Donald C. Calderwood, Supt., Nashua, N.H. (Corp. M. Oct. '14)

Penning, Fred F., Supt., Munic. Water System, City Hall, Wood River, Ill. (Oct. '41)

Pennington, Marvin, Supt., Public Works, 29 McKinley Ave., Steger, Ill. (Apr. '44) *M*

Pennsylvania Salt Mfg. Co., B. P. Steele, Director of Sales, 152 Market St., Paterson, N.J. (Assoc. M. June '03)

Pensinger, John L., L. C. Pensinger & Son, 24 E. 68th St., Kansas City 5, Mo. (Apr. '46)

Pensinger, L. C., & Son, John L. Pensinger, 1609 Oak St., Kansas City 8, Mo. (Assoc. M. Apr. '40)

Peoria Heights Water Works, George B. Hammond, Water Supt., 124 W. Seiberling St., Peoria Heights 4, Ill. (Corp. M. Apr. '42)

Pepperman, Cecil M., Engr., Gannett Fleming Corddry & Carpenter, 600 N. 2nd St., Harrisburg, Pa. (Apr. '44) *P*

Pequegnat, Marcel, Supt., Engr. & Treas., Water Com., City Hall, Kitchener, Ont. (Feb. '24) *M*

Pequegnat, R. K., Sr. San. Engr., Dept. of National Health & Welfare, 808 Jackson Bldg., Ottawa, Ont. (Jan. '47) *MP*

Perazzo, Roberto J., Civ. Engr., Administracion Nacional del Agua, Potosi 4052, Buenos Aires, Argentina (Jan. '45)

Perez Izquierdo, Fausto, Asst. Prof., Univ. of Havana, Neptuno 910, 2o. piso, Havana, Cuba (Jan. '48)

Perez Guerra, Gustavo, Civ. Engr., Apdo. 168, Caracas, Venezuela (Apr. '40)

Perez La Salvia, Hugo, Civ. & San. Engr., Los Palos Grandes 1ra Ada, Villa Nieves, Edo Miranda, Venezuela (Jan. '46)

Perhab, John L., *see* Beverly Hills Water Dept.

Perkerson, Henry A., Production Mgr., M & H Valve & Fittings Co., Box 894, Anniston, Ala. (Apr. '41) *MPR*

Perkins, Francis D., Jr., New York Repr., R. D. Wood Co., 317 State Tower Bldg., Syracuse, N.Y. (July '41)

Perkins, J. L., Director, Public Utility, High Point, N.C. (July '35)

Perkins, James H., Cloroben Corp., 15 Exchange Pl., Jersey City 2, N.J. (Jan. '46) *P*

Perlas, J. C., Chief Engr., Metropolitan Water Dist., 176 Arroceros, Manila, P.I. (Jan. '40)

Permutit Co., The, Daniel J. Saunders, Vice-Pres., 330 W. 42nd St., New York 18, N.Y. (Assoc. M. Mar. '14)

Perry, Aubrey H., Supervising Engr., Public Health Eng. Div., Dept. of National Health & Welfare, 321 Federal Bldg., Vancouver, B.C. (Mar. '31) *PR*

Perry, E. F., Jr., c/o Water Comrs., 134 Main St., Nyack, N.Y. (Oct. '42)

Perry, G. C., Mgr., Crane Co., Box 152, San Bernardino, Calif. (Jan. '41) *M*

Perry, John A., Mgr. & Owner, Westwood Water Utility Co., 4635 N. 22nd Ave., Phoenix, Ariz. (Jan. '48)

Perry, S. L., Supt., Munic. Water Dept., Alexandria, La. (Apr. '45) *M*

Perryman, John M., Engr., R. D. Cole Mfg. Co., Newnan, Ga. (Jan. '40)

Perryman, John W., Jr., City Mgr., Brownwood, Tex. (Apr. '48)

Peru, City of, F. L. Kerns, Gen. Mgr., Elec. Light & Water Depts., 19–21 E. 3rd St., Peru, Ind. (Corp. M. Apr. '44)

Peshtigo Water Dept., E. H. Stibbe, Secy., Peshtigo, Wis. (Corp. M. Apr. '43)

Peterborough Utilities Com., Ross L. Dobbin, Gen. Mgr., 223 Aylmer St., Peterborough, Ont. (Corp. M. May '11) *M*

Peters, J. S., Chief Engr & Gen. Mgr., Marin Munic. Water Dist., San Rafael, Calif. (Jan. '27)

Peters, William A., *see* Jerome Water Co.

Peterson, C. J., Field Engr., Fairbanks, Morse & Co., 301 S. Estelle, Wichita 7, Kan. (July '46) *PR*

Peterson, Carl J., Pump & Filter Plant Foreman, Box 809, Great Falls, Mont. (Jan. '45)

Peterson, Herman S., Salesman, Hays Mfg. Co., Route No. 2, Box 240, Fort Worth, Tex. (Jan. '44)

Peterson, Johan H., Western Mgr., Transite Pipe Dept., Johns-Manville Sales Corp., 116 New Montgomery St., San Francisco 5, Calif. (Jan. '35) *MP*

Peterson, Wesley C., Supt., Water Dept., New London, Iowa (Apr. '48)

Peterson, York, City Engr. & Water Supt., City Hall, Santa Maria, Calif. (July '47) *M*

Petoskey, Mich., City of, Water Dept., Howard H. Kramer, City Mgr., City Hall, Petoskey, Mich. (Corp. M. Jan. '47) *M*

Petrolia Public Utilities Com., George Howlett, Supt., Petrolia St., Petrolia, Ont. (Corp. M. Apr. '48)

Petry, Harry, *see* Rushville Water, Light & Power Plant

Pettit, Charles G., Asst. Chemist, Dept. of Utilities, City Bldg., W. Tuse Ave., Barberton, Ohio (Oct. '46) *P*

Pettyjohn, A. R., Water Engr., Carbide & Carbon Chemicals Corp., Texas City, Tex. (Apr. '48)

Peurifoy, John L., Director, Public Utilities Municipal Bldg., Hamilton, Ohio (Oct. '47)

Pew, P. F., *see* Infilco, Inc.

Pflanz, E. L., 695 Vernon Ave., Glencoe, Ill. (July '35) *P*

Pfreimer, Harold A., San. Engr., Headquarters, U.S. Air Force, Directorate of Installations, Pentagon Bldg., Washington, D.C. (July '43) *MR*

Pharr, James M., Chemist & Bacteriologist, Newport News Water Works Com., Denbigh, Va. (Jan. '37) *P*

Phelps, Boyd E., Pres., Boyd E. Phelps, Inc., 232 Franklin St., Michigan City, Ind. (Oct. '46)

Phelps, Byrl D., Cons. Engr., Munic. Engineers, Inc., 435 Union Bldg., San Diego, Calif. (Oct. '47)

Phelps, Ellis K., Sales Engr., Wallace & Tiernan Co., Inc., 426 S. Eola Drive, Orlando, Fla. (Oct. '44) *PR*

Phenix City Filtration Plant, David R. McLemore, Supt. of Filtration, Phenix City, Ala. (Corp. M. Jan. '48) *MP*

Philadelphia Suburban Water Co., Van Horn Ely Jr., Vice-Pres., 762 Lancaster Ave., Bryn Mawr, Pa. (Corp. M. May '09) *M*

Philips, Everett A., Asst. Civ. Engr., Water Dept., 10 City Hall, Alhambra, Calif. (Apr. '47) *MPR*

Philips, H. S., Cons. Engr., 63 John St., S., Hamilton, Ont. (Jan. '45) *P*

Phillips, M. H., Supt., Water Works, Paragould, Ark. (July '38) *M*

Phillips, Robert S., Chief San. Engr. & Supt. of Plants, Water Dept., Charlotte, N.C. (Oct. '35) *MP*

Phillips, Robert Van Ness, Office Engr., Los Angeles Dept. of Water & Power, Independence, Calif. (Oct. '43) *M*

Philson, Paul James, Bacteriologist, Water Works Plant, Columbia, S.C. (July '46) *MP*

Phipps & Bird, Inc., L. C. Bird, Pres., 303 S. 6th St., Richmond 5, Va. (Assoc. M. Jan. '35)

Phoenix, Edward A., Asst. Mgr., Transite Pipe Dept., Johns-Manville Corp., 22 E. 40th St., New York 16, N.Y. (Jan. '44)

Piatt, William M., Piatt & Davis, 111 Corcoran St. Bldg., Drawer 971, Durham, N.C. (Aug. '21) *Director '43–'46. Fuller Award '44.*

Piatt, William R., Gen. Foreman, Butte Water Co., 124 W. Granite St., Butte, Mont. (Jan. '48) *M*

Picado, Ramon M., Cons. Engr., San Jose, Costa Rica (May '30)

Pickert, E. A., *see* Inglis, John, Co., Ltd.

Pickett, Arthur, Indus. Waste Engr., Los Angeles County, 705 Union League Bldg., Los Angeles 12, Calif. (Oct. '47) *PR*

Pickles, Louis W., *see* St. Louis County Health Dept.

Picton, Walter L., San. Engr., Div. of Health & Sanitation, Inst. of Inter-American Affairs, Apdo. 23 Bis., Mexico City, D.F., Mexico (Apr. '43) *PR*

Pier, L. F. (Miss), *see* Municipal Supply Co.

Pierce, D. O., Civ. Engr. in Charge of Civ., Structural & Architectural Design, Public Works Dept., Naval Air Station, Alameda, Calif. (Oct. '45) *MR*

Pierce, Earl James, Mgr., Davenport Water Co., 211 Brady St., Davenport, Iowa (July '42) *M*

Pierce, Henry M., City Mgr., Aberdeen, S.D. (Jan. '47) *MPR*

Pierce, Hugh M., *see* Northport Water Works Co., The

Pierce, J. R., *see* General Waterworks Corp.

Pierce, J. R., Vice-Pres. & Gen. Mgr., Arkansas Munic. Water Co., 211 W. 5th Ave., Pine Bluff, Ark. (Jan. '43)

Pierce, U. Bixby, *see* Weldon Water Dept., Town of

Piercy, William T., Water & Sewer Comr., Buffalo, Wyo. (Apr. '46)

Pierron, L. L., City Chemist in Charge of Water Purif. & Sewage Treatment, City Bldg., Greenville, Ohio (Oct. '47)

Pierson, James R., Pres., Pothat Water Co., 9 Park Pl., New York 7, N.Y. (Apr. '47)

Pietermaritzburg, City of, D. H. Darvill, City Engr., City Hall, Pietermaritzburg, Natal, South Africa (Corp. M. Oct. '47)

Pile, Richard, Borough Secy., Borough of Somerset, 121 W. Union St., Somerset, Pa. (Mar. '30) *M*

Pillsbury, Alex. H., Engr., Elec. & Water, Eng. Dept., Utilities Bldg., Jacksonville 2, Fla. (Jan. '47)

Pimm, Alan B., Civ. Engr., 104 Jackson St., Tampa 2, Fla. (July '46) *M*

Pimm, Walter O., *see* Milford Water Dept.

Pincus, Sol, Cons. Engr., 11 Park Pl., New York 7, N.Y. (Feb. '20) *P*

Pinehurst, Inc., John F. Taylor, Supt. of Utilities, Pinehurst, N.C. (Corp. M. Oct. '42)

Piner, Raymond E., Supt., Springfield City Water Co., M.O.B. 709, Springfield, Mo. (July '35) *MPR*

Pinkerton, C. S., *see* Cutler-Hammer, Inc.

Pinkham, Chesley M., Supt., Water Works Dept., 1312 Colina Lane, Santa Barbara, Calif. (Oct. '37) *P*

Pinkney, Mark E., 43 South Ave., Webster, N.Y. (Jan. '42) *M*

Pinkston, John Turner, Supt., Water Works, City Hall, Meridian, Miss. (Apr. '29) *M*

Piper, Arthur M., Staff Scientist, U.S. Geological Survey, Box 3418, Portland 8, Ore. (July '47) *R*

Piper, Bernard C., Supt. of Water, 110 Grove St., Ashley, Ohio (July '48)

Piper, Fred V. H., Director, Dept. of Water, 22 City Hall, Niagara Falls, N.Y. (Apr. '37) *MPR*

Piper, K., San. Engr., State Dept. of Health, Bismarck, N.D. (Jan. '45) *MPR*

Pippin, Lafe, Supt., Water & Elec. Dept., Box 179, Neodesha, Kan. (Apr. '45) *MP*

Pirie, James, Sales Engr., 824 Downer, Lansing 12, Mich. (Apr. '38)

Pirnie, Malcolm, Partner, Malcolm Pirnie Engrs., 25 W. 43rd St., New York 18, N.Y. (May '17) *Diven Medal '31. Director '30–'33, '34–'42. Vice-Pres. '33. President '34. Honorary M. '47.*

Pirnie, Malcolm, Jr., Assoc. Engr., Malcolm Pirnie Engrs., 25 W. 43rd St., New York 18, N.Y. (Oct. '39) *P*

Pitometer Co., The, Egbert D. Case, Pres., 50 Church St., New York 7, N.Y. (Assoc. M. July '06)

Pitt Construction Co., The, E. D. Harshbarger Jr., Vice-Pres., 1235 Washington Blvd., Pittsburgh 6, Pa. (Assoc. M. July '43)

Pittsburgh Equitable Meter Div., Rockwell Mfg. Co., A. R. Whittaker, Gen. Mgr., 4207—1st Ave., Brooklyn 32, N.Y. (Assoc. M. Mar. '82)

Pittsburgh Pipe Cleaner Co., Kyle I. Robinson, Vice-Pres. & Gen. Mgr., 3004 Woolworth Bldg., New York 7, N.Y. (Assoc. M. Jan. '46)

Pittsburgh Plate Glass Co., Columbia Chemical Div., Ralph W. Miller, Mgr., Tech. Service Dept., Barberton, Ohio (Assoc. M. Jan. '39)

Pittsburgh-Des Moines Steel Co., J. E. O'Leary, Neville Island, Pittsburgh 25, Pa. (Assoc. M. Apr. '14)

Pittser, Willis D., Supt., Water Dept., Box 495, Liberal, Kan. (Jan. '45)

Pitzen, Tracy A., Cons. Engr., Box 248, Paxton, Ill. (July '48)

Pizie, Stuart, Millbrook, N.Y. (Oct. '42)

Plainview Water Dept., S. E. Balles, Supt., Plainview, Tex. (Corp. M. July '47)

Plank, Raymond I., Supt., Board of Water Comrs., 422 Main St., Catskill, N.Y. (Jan. '46) *MP*

Plattsburg, City of, Thomas G. Burke, Supt. of Public Works, Plattsburg, N.Y. (Corp. M. Apr. '44)

Plautz, Arthur Henry, Jr. San. Engr., State Board of Health, 1098 W. Michigan St., Indianapolis 7, Ind. (Apr. '48)

Plotkin, Sheldon N., Chem. Engr., Water Treating Consultants, Ralph M. Westcott Co., 1700 S. Main St., Los Angeles 15, Calif. (Oct. '47) *P*

Plumb, D. S., Co., Inc., Arthur A. Dorfner, 73–77 Norfolk St., Newark 4, N.J. (Assoc. M. June '39)

Plummer, Raymond B., 411 S. Perry St., Montgomery, Ala. (Oct. '43) *P*

Plummer, Wade, Vice-Pres. & Gen. Mgr., Butte Water Co., 124 W. Granite St., Butte, Mont. (Dec. '25) *Director '39–'42. Fuller Award '48. MP*

Plunkett, Joseph A., Reservoir Attendant, 612 Ridge Rd., Cedar Grove, N.J. (Jan. '43)

Podas, Charles Robert, Cons. Engr., 702 Wesley Temple Bldg., Minneapolis, Minn. (Apr. '45) *P*

Poet, James John, Mng. Partner, Harper & Poet, Inc., 195—4th St., San Bernardino, Calif. (Apr. '48)

Pohl, Charles A., Bogart & Pohl, Engrs., 39 Cortlandt St., New York 7, N.Y. (Jan. '43) *PR*

Pointer, William W., Supt. & Gen. Mgr., Utilities Dept., Troy, Ala. (Apr. '29) *M*

Poland, Joseph F., Dist. Geologist, Ground Water Div., U.S. Geological Survey, 1330 J St., Sacramento 2, Calif. (Jan. '47) *R*

Polek, Stanley J., *see* Long Island State Park Com.

Poling, C. A., Water Sales Agent, Los Angeles Dept. of Water & Power, 4211 McFarlane Ave., Burbank, Calif. (Oct. '34)

Polk, Wesley W., Chief Highway Engr., State Dept. of Public Works & Bldgs., Div. of Highways, Springfield, Ill. (Mar. '26) *M*

Pollard, Joseph G., Co., Inc., R. T. Mitchell, Pres., New Hyde Park, N.Y. (Assoc. M. Apr. '26)

Pollard, L. Melvin, City Engr., City Hall, Sunnyvale, Calif. (Jan. '46)

Pollard, Robert T., Partner, Alexander & Pollard, Cons. Engrs., 414 Terminal Bldg., Oklahoma City, Okla. (Apr. '46)

Pollock, L. V., Resident Engr., Birmingham Water Works Co., Birmingham 3, Ala. (July '39) *M*

Pomeroy, Richard, Cons. Chem. Engr., 40 W. Green St., Pasadena 2, Calif. (Oct. '43) *P*

Pomona Terra-Cotta Co., Ben C. Sutherland, Salesman, Pomona, N.C. (Assoc. M. Feb. '30)

Pomona Water Dept., F. C. Froehde, Mgr., City Hall, Pomona, Calif. (Corp. M. Oct. '43)

Ponce M., Modesto, Gen. Director, National Public Works, Apdo. 2948, Quito, Ecuador (Jan. '44)

Ponder, Ottie Carrell, Water & Sewer Supt., Jefferson County Water Control & Improvement Dist. No. 1, Box 593, Groves, Tex. (Oct. '44) *MP*

Pons M., Alfonso, Ingeniero Civ., M.S. en Ingenieria Sanitaria, Jefe de la Division de Estudios y Proyectos de Obras Sanitarias, Ministerio de Fomento, Lima, Peru (Oct. '47) *PR*

Pontius, Arnold B., City Engr., Ephrata, Wash. (Apr. '48)

Poole, B. A., Director, Bureau of Environmental Sanitation, State Board of Health, 1098 W. Michigan St., Indianapolis 7, Ind. (Jan. '35) *Fuller Award '42. Director '46–'49. P*

Poole, George J., Supt. of Pumping Stations, Water Dept., 3855 Emerson Ave., N., Minneapolis 12, Minn. (June '30) *M*

Port Colborne, Munic. Council of the Town of, J. R. Scott, Town Engr., Port Colborne, Ont. (Corp. M. Jan. '47)

Port Ewen Water Dist., Harry Newton, Supt., Port Ewen, N.Y. (Corp. M. Jan. '48)

Port Hope Water Works Com., Miss Georgia Lee, Secy.-Treas., Port Hope, Ont. (Corp. M. Mar. '29) *M*

Port Jervis Water Dept., Norman E. Roberts, Comr., 130 Pike St., Port Jervis, N.Y. (Corp. M. July '44) *M*

Porter, Cover C., Chief Chemist, Southland Paper Mills, Lufkin, Tex. (Jan. '48)

Porter, F. B., Pres., Southwestern Labs., Box 1379, Fort Worth 1, Tex. (June '30) *P*

Porter, Fred S., Div. Engr. in Charge of Water Main & Service Constr. & Maint., Water Dept., 1612 E. Wardlow Rd., Long Beach 2, Calif. (Oct. '32) *M*

Porter, Harold E., Supt., Munic. Utilities, Box 148, Montpelier, Ohio (July '47) *MP*

Porter, Harry, Dist. Mgr., Peoples Water Service Co., Bastrop, La. (Oct. '42) *M*

Porter, L. C., Owner, 303—2nd & Cherry Bldg., Seattle, Wash. (Apr. '46) *PR*

Porter, L. Otis, Mgr., The Marion Water Co., 195 E. Center St., Marion, Ohio (Oct. '46) *M*

Porter, Oscar S., Jr., Wallace & Tiernan Co., Inc., 1111—17th St., N.W., Washington, D.C. (Jan. '47) *P*

Porter, S. M., *see* Burnaby, Corp. of

Porter, Thomas H., Civ. & San. Engr., Portage la Prairie, Manitoba (Oct. '44)

Porth, Donald L., *see* Culligan Zeolite Co.

Portland Bureau of Water Works, Dorothy McCulloch Lee, Comr., 314 City Hall, Portland, Ore. (Corp. M. Apr. '38)

Portland Cement Assn., E. C. Wenger, Mgr., Conservation Bureau, 33 W. Grand Ave., Chicago 10, Ill. (Assoc. M. Oct. '37)

Porzelius, A. F., Mgr., City Water Co., Chattanooga 2, Tenn. (July '20) *Trustee '30. Director '30–'32. MP*

Posey, Jesse, Jr., Asst. Dept. Mgr., Shell Chemical, Box 2527, Houston, Tex. (Jan. '45) *MP*

Poston, H. W., Asst. Chief Engr. & Supt., Water Dept., City Hall, Kansas City 6, Mo. (Oct. '34) *MP*

Poston, R. F., San. Engr., U.S. Public Health Service, International Boundary & Water Com., Box 1859, El Paso, Tex. (Jan. '43) *PR*

Potter, Carl C., Dist. Public Health Engr., State Dept. of Health, 522 N. 3rd St., Burlington, Iowa (Oct. '46)

Potter, Charles M., Water Supt., 815 S. Main St., Yreka, Calif. (Apr. '47)

Potter, H. N., Tech. Director, Dearborn Chemical Co., Ltd., 2454 Dundas St., W., Toronto 9, Ont. (Apr. '39) *P*

Potter, Howard H., Water Works Engr., Public Utilities Com., State House, Augusta, Me. (Jan. '40)

Potter, James T., Partner, Eshelman & Potter, 314 Wilder Bldg., Charlotte 2, N.C. (Jan. '39) *P*

Potter, Philip Arthur, Sr. Engr., State Board of Public Utility Comrs., 1060 Broad St., Newark 2, N.J. (July '43) *M*

Potter, Russell E., *see* New Westminster, City of

Potter, Walter, Engr., c/o Vincent P. Potter, 19 Somerset St., Somerville, N.J. (Jan. '43)

Potts, Clyde, Civ. & San. Engr., 4 Farragut Pl., Morristown, N.J. (July '06)

Potts, H. G., Sales Dept., Pennsylvania Salt Mfg. Co., Wyandotte, Mich (Jan. '38) *P*

Poughkeepsie Board of Public Works, Eastman Park, Poughkeepsie, N.Y. (Mun. Sv. Sub. Dec. '12)

Poulsen, Russell E., Chemist, Filtration Plant, 2425 Sheridan Rd., Evanston, Ill. (Jan. '47)

Poulter, Alfred F., Div. Mgr., San Diego Bay Div., California Water & Telephone Co., Box I, National City, Calif. (Jan. '37) *MPR*

Pound, Albert F., Pumping Station Operator, Water Works Dept., Crichton Station, Mobile, Ala. (July '48)

Powell, Alexander C., Chemist, Water Dept., Bangor, Me. (Mar. '10) *P*

Powell, Ernest Wesley, Supt. of Water Dept. & City Engr., Concordia, Kan. (Jan. '42) *P*

Powell, Henry T., *see* Henderson Water Works

Powell, John Giles, Cons. Engr., Gore & Storrie, Cons. Engrs., 1130 Bay St., Toronto, Ont. (Apr. '44) *P*

Powell, Lorne G., Supt., Public Utility, Stratford, Ont. (Apr. '46) *MP*

Powell, Marcus P., Asst. Prof. of Sanitation, Dept. of Hygiene & Preventive Medicine, 279 Medical Labs. Bldg., Iowa City, Iowa (Oct. '45) *P*

Powell, Sheppard T., Cons. Chem. Engr., 330 N. Charles St., Baltimore 1, Md. (July '06) *Fuller Award '47. MPR*

Powell, William H., Engr., Greater Vancouver Water Dist., 1303 Sun Bldg., Vancouver, B.C., (Jan. '45) *M*

Powell, William Llewellyn, Partner, Powell & Powell, Engrs., 501 Thomas Bldg., Dallas 1, Tex. (Jan. '36) *MPR*

Powers, Herman Cecil, Supt. & Chief Engr., Elec. Dept., City Hall, Tell City, Ind. (Jan. '45) *M*

Powers, John B., Mgr., Water & Sewage Dept., City Hall, Breckenridge, Tex. (Jan. '47) *MP*

Powers, O. C., Director & Medical Health Officer, Oxford County & Ingersoll Health Unit, Woodstock, Ont. (Jan. '47)

Pracy, George Wesley, Supt., Water Dept., 425 Mason St., San Francisco 1, Calif. (May '15) *Trustee '28–'30. President '33. Director '34. Fuller Award '44.*

Prather, J. Arthur, Local Mgr., Potomal Light & Power Co., Shepherdstown, W.Va. (Affil. Oct. '47)

Pratt, Gilbert H., Nashua Ave., Gloucester, Mass. (June '16) *P*

Pratt, H. Russell, Pres. & Gen. Mgr., Klenzade Ohio Co., Box 466, Elyria, Ohio (Dec. '43) *P*

Pratt, Jack W., Sales Engr., Process Engrs., Inc., 400 Montgomery St., San Francisco 4, Calif. (Jan. '41) *P*

Pratt, S. W., *see* Seneca Falls Water Dept.

Pray, John W., Mgr., Munic. Utilities, Fort Dodge, Iowa (June '13) *Fuller Award '39. MP*

Preble Water Dept., Clyde F. Cormier, Supt., 1817 Deckner Ave., R. No. 2, Green Bay, Wis. (Corp. M. Apr. '43)

Preedom, Louie M., Sales Engr., Neptune Meter Co., 247 Pennsylvania Ave., Shreveport, La. (Apr. '46)

Prehn, Louis E., Supt., Water Works, 7644 Jackson Blvd., Forest Park, Ill. (July '44)

Preload Corp., The, E. H. Thwaits, Vice-Pres., 420 Lexington Ave., New York 17, N.Y. (Assoc. M. July '43)

Preston, J. E., Chairman of Board, Dept. of Water & Sewers, Miami, Fla. (Apr. '42) *P*

Preston Light & Water Com., W. E. Swartz, Supt., 833 King St., Preston, Ont. (Corp. M. Jan. '38)

Price, A. G., *see* Wallaceburg Water Com.

Price, Albert Edward, Asst. Supt., Div. of Water Supply, Box 1080, Norfolk, Va. (Oct. '43) *MP*

Price, Donald D., Cons. Engr., 1827 S. 26th St., Lincoln, Neb. (Jan. '48) *P*

Price, H. Arthur, Specification Engr., Water System, Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Oct. '34) *MPR*

Price, Howard S., Sanitation Equipment Div., United Steel Corp., Ltd., 58 Pelham Ave., Toronto 9, Ont. (Jan. '48) *PR*

Price, J. Paul, Chief Engr. & Supervisor of Distr., Water Dept., 411 Mahoning Ave., Warren, Ohio (July '42) *M*

Price, L. E., Supt., Water & Light Dept., Box 333, Tupelo, Miss. (Jan. '47)

Price, Philip G., 1956 E. 73rd Pl., Chicago, Ill. (Apr. '43) *M*

Price, R. H., *see* Pan American Refining Corp.

Price, Robert W., Borough Mgr., 50 N. Spring St., Blairsville, Pa. (July '47)

Price, Roy E., Supt. of Filtration, Water Works, 57 Wing St., Newark, Ohio (July '44) *P*

Price Brothers Co., Paul L. Osweiler, Plant Mgr., Pressure Pipe Div., 2824 Patterson Blvd., Dayton 9, Ohio (Assoc. M. July '43)

Priess, O. L., Sales Dept., Crane O'Fallon Co., Denver, Colo. (July '37)

Priester, Max U., Asst. Director, Cons. Div., W. H. & L. D. Betz, Gillingham & Worth Sts., Philadelphia 24, Pa. (Jan. '44) *P*

Prieto Vernezobre, Santiago, Sub-Director del Acueducto de Albear, Avenida Presidente Zayas No. 526, Havana, Cuba (July '47) *M*

Princeton Water Dept., J. E. Everson, Supt., Water & Light Dept., City Hall, Princeton, Ill. (Corp. M. Apr. '42) *MP*

Prindle, George B., Supt., Water Works, Box A, Highland Park, Ill. (Mar. '24) *P*

Pringle, H. L., *see* Whitby Public Utility Com.

Pringle, J. T., Supt., Stamford Water Works, Stamford Public Utilities Com., 1855 Ferry St., Niagara Falls, Ont. (Apr. '25) *MP*

Prior, John C., Prof. of San. Eng., Brown Hall, Ohio State Univ., Columbus 10, Ohio (Oct. '26) *MPR*

Pritchard, John C., Cons. Engr., 5137 Waterman Ave., St. Louis 8, Mo. (Feb. '26) *PR*

Probst, Harold A., Repr., Mueller Co., 815 Ballantyne Rd., Syracuse, N.Y. (Apr. '47) *M*

Proctor, Edward M., Cons. Engr., 177 Inglewood Drive, Toronto 5, Ont. (May '21)

Prodanovich, Danilo, Sr. Civ. Engr., East Bay Munic. Utility Dist., 512—16th St., Oakland 4, Calif. (Jan. '44) *M*

Proportioneers, Inc., H. E. Hollberg, Vice-Pres., 9 Codding St., Providence 1, R.I. (Assoc. M. Apr. '39)

Propst, John M., Box 175, Overland Park, Kan. (Jan. '36)

Proseus, H. H., Salesman, Pipe Div., Johns-Manville Sales Corp., 711 S.E. Alder, Portland, Ore. (Jan. '47)

Providence Water Supply Board, Philip J. Holton Jr., Chief Engr., 161 Fountain St., Providence 3, R.I. (Corp. M. Oct. '34) *MPR*

Provost, Andrew J., Jr., 79 Delafield Island Rd., Darien, Conn. (May '08) *P*

Proximity Mfg. Co., J. D. McConnell, Plant Engr., Greensboro, N.C. (Corp. M. July '43)

Public Works Magazine, 310 E. 45th St., New York 17, N.Y. (Assoc. M. May '18)

Public Works News, Alphonse Jacs, Advertising Mgr., 145 E. 32nd St., New York 16, N.Y. (Assoc. M. Jan. '46)

Puckhaber, Fred H., Div. Engr., Wallace & Tiernan Co., Inc., 1112 Liberty Bank Bldg., Dallas 1, Tex. (Apr. '38) *P*

Puente, Manuel J., Cons. Engr., Box 898, Havana, Cuba (Jan. '36) *Director '45-'48. M*

Pulhamus, Aaron, Jr., Dept. of Public Works, Municipal Bldg., Totowa Boro, N.J. (Oct. '44)

Pulis, Milton G., Supt., Water Dept., Oakland, N.J. (Jan. '44)

Pullen, P. T., Field Engr., Electro Rust-Proofing Corp., 2624 Lakeshore Drive, Shreveport 31, La. (Oct. '45)

Pulp and Paper Industry, *see* Technical Assn.

Pump and Lighting Co., Inc., H. J. Riegel, Pres., 300 E. 9th St., Box 1856, Charlotte 1, N.C. (Assoc. M. Jan. '46)

Pung, Donald W., *see* Bettenburg, P. C., & Co.

Purcell, Hugh G., Mgr., Hugh G. Purcell Co., 323 Colman Bldg., Seattle 4, Wash. (Jan. '28)

Purcell, James L., Supervisor, Sewage Disposal Plant, Eclipse Pioneer Div., Bendix Aviation Corp., Teterboro, N.J. (Apr. '43)

Purcell, Lee T., Cons. Engr., 1 Lee Pl., Paterson 1, N.J. (Jan. '31) *MPR*

Purdy, Alvin C., Cons. Chemist, Bull & Roberts, Inc., 117 Liberty St., New York 6, N.Y. (Jan. '41) *MP*

Pure Water Co., Inc., V. J. Ferzacca, Gen. Supt., Logan, W.Va. (Corp. M. July '40)

Purser, John R., Jr., Pres., Purser & London, Inc., 816 Independence Bldg., Charlotte 2, N.C. (Oct. '39) *Fuller Award '48. PR*

Pye, Harvey Norris, Chief Engr., South Eastern Underwriters Assn., 327 Trust Co. of Georgia Bldg., Box 5048, Atlanta 2, Ga. (Jan. '46)

Pyle, Fred D., *see* San Diego Water Dept.

Quandt, Charles H., 2250 Ocean Ave., Torrance, Calif. (Jan. '36) *M*

Quattlebaum, Alexander McQueen, Chief Engr., Quattlebaum Eng. Co., Johnston, S.C. (Oct. '46)

Quebec Provincial Transportation & Communication Board, Roger Desjardin, Court House, Quebec, Que. (Corp. M. Apr. '41)

Queneau, Roland B., Dist. Mgr., The Pitometer Co., Inc., 50 Church St., New York 7, N.Y. (Apr. '47) *MPR*

Quick, Robert L., Regional San. Engr., State Board of Health, Box 210, Jacksonville, Fla. (Jan. '46) *P*

Quigley, T. T., Adv. Mgr., Wallace & Tiernan Co., Inc., Box 178, Newark 1, N.J. (Oct. '37) *P*

Quillin, Floyd, Supt. of Utilities, Osborne, Kan. (Jan. '48)

Quilty, Patrick, 884 Riverside Drive, New York, N.Y. (May '30)

Quimby, Frank K., Asst. Mgr. & Chief Engr., Water Dept., City Hall, Racine, Wis. (July '30) *MP*

Quinby, Walter Urban, Supt., Water Works Board, Box 812, Jasper, Ala. (Jan. '48)

Quincy Water Works Com., Water Purif. Div., Orville J. Smith, Chemist, 415 Hampshire St., Quincy, Ill. (Corp. M. Apr. '27) *PR*

Quinn, John J., Chemist, Water Bureau, Utilities Board, 626 S. Gay St., Knoxville, Tenn. (May '30) *Director '35–'38.*

Quinn, Joseph L., Jr., Asst. to Pres., Hulman & Co., Terre Haute, Ind. (Oct. '41) *Fuller Award '46.*

Quinn, Robert J., 1542 Bay Shore Blvd., Dunedin, Fla. (Oct. '45) *P*

Quinnell, Fred, Engr. in Charge, Sewage Treatment Plant Constr., Bozeman, Mont. (Feb. '22)

Quirk, M. Edward, Foreman, Water Dept., 38 Sutton St., Peabody, Mass. (Apr. '37)

R.P.B. Corp., B. A. Schimmel, Vice-Pres., 2751 E. 11th St., Los Angeles 23, Calif. (Assoc. M. Apr. '47)

R-S Products Corp., Valve Div., David W. Hopkins, Exec. Vice-Pres., 4530 Germantown Ave., Philadelphia 44, Pa. (Assoc. M. Jan. '44)

Raasch, F. A., Light & Water Comr., Wahoo, Neb. (Jan. '47) *M*

Rachar, C. C., *see* Elmira Public Utilities Com.

Rackham, William J., Asst. Supt., Water Works Dept., Municipal Bldg., Ogden, Utah (Jan. '44) *M*

Radcliffe, Dewey M., Prin. Engr., Engr. Sec., Headquarters 8th Army, Yokohama, Japan, APO 343, c/o Postmaster, San Francisco, Calif. (Jan. '41) *PR*

Radcliffe, John L., Supt. of Filtration & Chief Chemist, Elizabethtown Water Co. Cons., 22 W. Jersey St., Elizabeth, N.J. (Feb. '20) *Fuller Award '46. P*

Radelat, Luis, Engr. in Charge, Sanitation Works, Public Health Dept., Calle 30 No. 293 (Altos) Entre 23 y 25, Vedado, Havana, Cuba (Apr. '47)

Rader, B. H., Supt., Water Dept., City Hall, Council Grove, Kan. (Apr. '48)

Radford, City of, Dept. of Public Utilities, Water Dept., G. R. Elder, Supt., Radford, Va. (Corp. M. July '47)

Radiger, Henry, Supt., The Home Water Co., Chesterton, Ind. (Jan. '45) *P*

Radzow, Eric C., Chief Service Engr., Electric Chemical Co., 8001 Franklin Blvd., Cleveland 2, Ohio (Jan. '47) *P*

Raffety, Sidney Robert, Cons. Water Works Engr., Sr. Partner, Rofe & Raffety, 3 Victoria St., Westminster, London, S. W. 1, England (July '45)

Rafter, Howard E., Supt. of Filtration, Highland Park Water Filtration Plant, 1973 E. Davison Ave., Detroit 12, Mich. (Jan. '47) *P*

Ragsdale, T. M., Vice-Pres., Layne Central Co., Memphis, Tenn. (July '47) *R*

Raikofski, G. Z., Water Supt., Box 464, Columbus, Mont. (Apr. '47)

Raleigh, City of, Dept. of Public Utilities, E. M. Johnson, Director, 11 E. Davie St., Raleigh, N.C. (Corp. M. Oct. '40) *MP*

Ralls, W. E., Supt., Munic. Utilities, Trenton, Mo. (Apr. '39) *MPR*

Ralston, Glenn S., *see* Servisoft, Inc.

Ramage, H. L., Supt., Water, Gas & Sewer Depts., 217 E. Ave. S., Lyons, Kan. (Jan. '45) *MP*

Ramirez, Conrado S., Designing Engr., Metropolitan Water Dist., Manila, P.I. (Jan. '47) *PR*

Rammer, H. L., Chief Lab. Chemist, Fibreboard Products, Inc., Stockton, Calif. (Oct. '39)

Ramp, Louis C., *see* Rensselaer Water & Light Dept.

Ramseier, Roy Edwin, San. & Hydr. Engr., 2813 Parker St., Berkeley 4, Calif. (Apr. '39) *P*

Ramsey, Elizabeth B. (Mrs.), 501 Raritan Ave., Highland Park, N.J. (Jan. '41) *P*

Ramsey, Ernest A., *see* Florida Keys Aqueduct Com.

Ramsey, James B., Chief Engr. & Supt., Water Dept., City Hall, Kansas City, Mo. (Oct. '44) *M*

Randall, C. C., Supt., Water Dept., Lincolnton, N.C. (July '37)

Randall, E. T., Supt., Water Works, Olathe, Kan. (Jan. '47)

Randall, Fred, Water Chemist, Analyst, Kaiser-Frazer Corp., 2098—20th St., Wyandotte, Mich. (July '46)

Randall, William Thomas, Pres., Neptune Meters, Ltd., 1430 Lakeshore Rd., Long Branch, Ont. (Jan. '38) *M*

Randle, Harold, Engr., Calgary Power, Ltd., 504 Insurance Exchange Bldg., Calgary, Alta. (Apr. '42) *MPR*

Randle, M. B., Pres., Cities Supply Co., Inc., Sumter, S.C. (July '35) *M*

Randlett, Fred Morse, Vice-Pres. & Gen. Mgr., Robert W. Hunt Co., 175 W. Jackson Blvd., Chicago 4, Ill. (June '20) *Trustee '25–'27.*

Randolph, M. L., 3137 Huelani Pl., Honolulu, Hawaii (July '48)

Rankin, R. S., Asst. Mgr. in Charge of San. Eng., The Dorr Co., 570 Lexington Ave., New York 22, N.Y. (Apr. '40)

Ransom, Alfred E., Supt., City Water Works, City Hall, Canton 2, Ohio (Apr. '43) *M*

Rardon, George E., Supt. of Distr., 633 Quincy St., Fredonia, Kan. (Oct. '46)

Rarey, Charles E., Lime Dept., The Marble Cliff Quarries Co., 8 E. Long St., Columbus, Ohio (Apr. '41)

Rasmusson, Marvin H., *see* Standard Brands, Inc.

Raubenolt, C. H., Supt., Water Dept., Weston, Ohio (Oct. '46)

Rauscher, John F., Engr., City Water Dept., City Hall, Tucson, Ariz. (Oct. '47) *MR*

Rawlins, George S., Vice-Pres., J. N. Pease & Co., Inc., Cons. Engrs., 119½ E. 5th St., Charlotte 2, N.C. (Oct. '39) *P*

Rawls, E. M., Civ. Engr., 407 Legal Bldg., Asheville, N.C. (Oct. '45)

Rawn, A. M., 1655 Queens Rd., Los Angeles 46, Calif. (Oct. '34)

Ray, Cecil B., Chemist, Pepperell Mfg. Co., Bleachery Div., Pepperell, Ala. (July '48)

Ray, Harry, 169 N. Cherry Lane, Eugene, Ore. (Jan. '48) *M*

Ray, Marvin E., City Engr., Municipal Bldg., Vancouver, Wash. (Apr. '44) *M*

Raymondville, City of, L. R. Burrow, City Mgr., Water Dept., Raymondville, Tex. (Corp. M. Jan. '47)

Read, A. W., R.F.D. 7, Bangor, Me. (July '35)

Read, C. S., *see* Tuscaloosa, City of

Read, Daniel, Secy.-Treas., East Bay Munic. Utility Dist., Box 720, 512—16th St., Oakland 4, Calif. (Oct. '39)

Read, Ivan E., Supt. of Production, Iowa Valve Co., Oskaloosa, Iowa (Jan. '47)

Read, Miles H., Asst. Chief Engr., Simplex Valve & Meter Co., 68th & Upland Sts., Philadelphia 42, Pa. (Apr. '30) *P*

Reading Bureau of Water, 207 City Hall, Reading, Pa. (Corp. M. Mar. '16)

Reagan, J. C., Water Supt., Canadian, Tex. (Oct. '47)

Reager, John J., Supt. & Engr., Water Works, City Hall, Perth Amboy, N.J. (Jan. '37) *PR*

Rearick, C. Foster, Utility Supt., Water Dept., Walkerton, Ind. (Jan. '43) *M*

Rector, K. E., Cons. Engr., New England Bldg., Topeka, Kan. (Jan. '46) *P*

Red Hed Mfg. Co., J. G. Lufkin, Pres., 368 Congress St., Boston 10, Mass. (Assoc. M. Apr. '39)

Red Wing Board of Water Comrs., H. E. Nordholm, Clerk, City Hall, Red Wing, Minn. (Corp. M. Apr. '42) *M*

Reddic, Carroll A., Jr., Sales Repr., Southern States Chemical Co., 1061 W. Marietta St., Atlanta, Ga. (July '46) *P*

Redding, Harry P., Engr., Water Dept., No. 9 Glenn Apts., Durham, N.C. (Oct. '39) *P*

Redfern, W. Blaine, Proctor, Redfern & Laughlin, Cons. Engrs., 11 Jordan St., Toronto 2, Ont. (Nov. '19)

Redford Township Water & Sewer Dept., Joseph A. Lynch, Supt., 15145 Beech Rd., Detroit 23, Mich. (Corp. M. Jan. '47) *M*

Redington, H. R., Secy., Specification Com., National Tube Co., 1732 Frick Bldg., Box 266, Pittsburgh 30, Pa. (Apr. '40)

Redman, Rollin, Supt., Water Works, Fort Branch, Ind. (Jan. '44) *MR*

Redmond, John, Jr., Capt., U.S. Army, San. Eng. Sec., Medical Service Corps, 33rd Medical Depot, APO 696, c/o Postmaster, New York, N.Y. (Oct. '46)

Redmond, N. M., Supt. of Constr., Sewerage & Water Board, 5920 Laurel St., New Orleans, La. (Oct. '45)

Redwood, John P., Chief Hydr. Engr., Public Service Com., 233 Broadway, New York 7, N.Y. (Oct. '45) *MP*

Reed, Allen M., City Chemist, Norwood, Ohio (Apr. '44) *P*

Reed, Clarence H., Sr. San. Engr., Metropolitan Water Works, Framingham, Mass. (May, '30) *P*

Reed, Elwood L., *see* Carolina Aluminum Co.

Reed, George W., City Engr., City Hall, Yuba City, Calif. (July '47) *MPR*

Reed, I. H., Pres. & Mgr., Sedalia Water Co., 111 W. 4th St., Sedalia, Mo. (Jan. '39) *MP*

Reed, Paul W., Chief, Sewage & Refuse Disposal Sec., Div. of San. Eng., State Board of Health, 1098 W. Michigan St., Indianapolis 7, Ind. (Apr. '40) *P*

Reed, Ralph, Asst. City Engr., Watertown, S.D. (Jan. '47)

Reed, Ralph E., Supt. of Maint. & Constr., Div. of Water, 867 S. Detroit Ave., Toledo 9, Ohio (July '44)

Reed, Ramsey M., Sales Service Engr., U.S. Pipe & Foundry Co., 1711 First National Bldg., Birmingham 3, Ala. (July '43) *P*

Reemelin, Oscar B., Vice-Pres. & Director, Elec. & Water Operation, Dayton Power & Light Co., 25 N. Main St., Dayton 1, Ohio (July '40) *MP*

Reep, E. P., Chemist, Water Works Dept., Girard, Ohio (July '35)

Rees, Rhea, Supt., Water Dept., City Hall, Sioux Falls, S.D. (Jan. '39) *MPR*

Reese, H. L., *see* Universal Construction Co.

Reese, Karl B., City Engr. & Water Supt., 211—2nd St., Hood River, Ore. (July '47) *MP*

Reeves, Carroll F., Pacific Coast Sales Mgr., De Laval Steam Turbine Co., 61 Beale St., San Francisco 5, Calif. (Apr. '46) *M*

Reeves, H. L., Mgr., Erwin Utilities, 211 S. Main St., Erwin, Tenn. (Jan. '47) *M*

Reeves, Ralph B., Engr., Chanute, Kan. (Oct. '45) *MP*

Reeves, W. H., *see* Layne & Bowler, Inc.

Refinite Corp., The, C. A. Spaulding Jr., Gen. Mgr., Refinite Bldg., Omaha 8, Neb. (Assoc. M. Apr. '32)

Regester, Robert T., Cons. Engr., 214 Baltimore Life Bldg., Baltimore 1, Md. (July '35) *P*

Regina Water Works Dept., J. W. D. Farrell, Supt., City Hall, Regina, Sask. (Corp. M. Apr. '24) *MR*

Regnier, Raymond C., Jr., Engr., Whitman, Requardt & Assoc., 1304 St. Paul St., Baltimore 15, Md. (Jan. '42) *P*

Reichardt, Hilary G., Supt., City Water Dept., 806—1st St., Box 244, Watertown, Wis. (Oct. '31) *M*

Reichman, Irving, Inspector of Water Consumption, Water Inspection Div., Bureau of Water Register, New York City Dept. of Water Supply, Gas & Elec., Tremont & Arthur Aves., New York 57, N.Y. (Apr. '44) *MR*

Reid, G. G., Cons. Engr., 264 Avenue Rd., Toronto 5, Ont. (July '41)

Reiff, Andrew S., *see* Hastings Board of Public Works

Reighard, Claude L., Supt. of Water Purif., Water Dept., 523 E. 6th St., Monroe, Mich. (Jan. '41)

Reilly Tar & Chemical Corp., William Higburg, Gen. Mgr., 1615 Merchant Bank Bldg., Indianapolis 4, Ind. (Assoc. M. Jan. '36)

Reimund, R. E., Chief Survey Supt., Ranney Method Water Supplies, Inc., 63 S. High St., Columbus, Ohio (Oct. '47)

Reinhardt, Arthur W., 2009 S. Marguerita, Alhambra, Calif. (Jan. '43) *P*

Reinhardt, Harry, Vice-Pres., California Water & Telephone Co., 300 Montgomery St., San Francisco 4, Calif. (Apr. '31) *M*

Reinheimer, J. P., Supt., Water Dept., City Bldg., Springfield, Ohio (July '46)

Reinicker, L. T., Water Utilities Service Corp., 201 N. 6th St., Camden, N.J. (June '29)

Reinke, Edward A., Chief, Bureau of San. Eng., State Dept. of Health, 2180 Milvia St., Berkeley 4, Calif. (Nov. '23) *PR*

Reiser, Everett G., Mgr., Board of Public Works, Cadillac, Mich. (July '46) *M*

Reitz, Cleon, Supt., Water Dept., 532 N. Main St., Berrien Springs, Mich. (Jan. '48)

Reliable Iron Foundry, Inc., George F. Arntfield, 1583 Fishburn St., Los Angeles 33, Calif. (Assoc. M. July '34)

Remus, Gerald, Chief Water Pumping Plant Engr., Water Works Park, 10,100 E. Jefferson, Detroit 14, Mich. (Jan. '47) *M*

Rener, Alexander C., Office Engr., Water Distr. Div., Dept. of Water & Power, 207 S. Broadway, Los Angeles 12, Calif. (July '43) *M*

Renner, Lyall G., Asst. Operating Engr., Public Service Com., 601 Barrington St., Halifax, N.S. (Jan. '47) *MPR*

Renshaw, William Clotworthy, Water Engr., Water Dept., City Hall, Inglewood, Calif. (Nov. '33) *M*

Rensselaer Valve Co., E. A. Rutledge, Vice-Pres. & Gen. Mgr., Troy, N.Y. (Assoc. M. May '90)

Rensselaer Water & Light Dept., Louis C. Ramp., Supt., Rensselaer, Ind. (Corp. M. July '43)

Renton, City of, James E. Morrison, Supt. of Utilities, City Hall, Renton, Wash. (Corp. M. Jan. '44) *MP*

Reny, Fred J., Treas. & Gen. Mgr., Water Dist., 16 Casco St., Portland 2, Me. (Jan. '42) *M*

Republic Steel Corp., Commercial Research Div., Philip J. Sandmaier, Mgr., 1470 Republic Bldg., Cleveland 1, Ohio (Assoc. M. Apr. '32)

Requardt, Gustav J., Partner, Whitman, Requardt & Assoc., Engrs., 1304 St. Paul St., Baltimore 2, Md. (May '23) *Fuller Award '45. M*

Rettig, George J., Asst. Engr., Alvord, Burdick & Howson, 20 N. Wacker Drive, Chicago 6, Ill. (Oct. '41) *MPR*

Revelle, J. E., 64 Whittier Rd., Wellesley Hills, Mass. (Apr. '40) *P*

Revere Copper & Brass, Inc., W. Weir Henry, Asst. Sales Mgr., 230 Park Ave., New York 17, N.Y. (Assoc. M. Aug. '28)

Rew, Myron E., Chemist & Production Mgr., City Water Works, 37th & Broadway, Council Bluffs, Iowa (Jan. '44) *MP*

Reynolds, Albert H., Directing Chemist, Lab., Dearborn Chemical Co., 1029 W. 35th St., Chicago 9, Ill. (Dec. '29) *P*

Reynolds, Leon B., Prof. of Hydr. & San. Eng., Civ. Eng. Dept., Stanford Univ., Calif. (Nov. '28) *PR*

Reynolds, M. W., Supt., City Water Dept., Box 13, Durand, Mich. (July '39)

Reynolds, Otto S., Water Works Engr., 6220 Harrison St., Kansas City 4, Mo. (Aug. '27) *Fuller Award '46.*

Reynolds, R. J., Supt., Board of Water Comrs., Lindsay, Ont. (Apr. '48)

Reynolds, Ralph W., Gen. Supt., West Palm Beach Water Co., Box 1311, West Palm Beach, Fla. (Nov. '26) *Director '40–'42. Fuller Award '41. MPR*

Reynolds, Rex, Supt., Water Works, City Hall, Dodge City, Kan. (Apr. '46) *M*

Reynolds Metal Co., A. W. Tesmer, Box 2289, Phoenix, Ariz. (Corp. M. July '48)

Rheaume, William, Gen. Mgr., Culligan Soft Water Service, Soft Water Bldg., Manitowoc, Wis. (Jan. '46) *P*

Rheem Mfg. Co., Research Labs., L. H. Ott, Asst. Director of Research, 4361 Firestone Blvd., South Gate, Calif. (Corp. M. Apr. '43) *P*

Rhinehart, John R., 332 Fairfield Ave., Ridgewood, N.J. (Oct. '45) *P*

Rhoades, Oliver S., Garage Foreman, Water Works, 565 Johnston St., Akron, Ohio (Affil. July '44)

Rhoads, A. L., Supt., West Virginia Water Service Co., Bluefield, W.Va. (May '26) *MP*

Rhoads, G. A., Mgr., Munic. Utilities, Safford, Ariz. (Apr. '41) *M*

Rhodes, Fred A., City Mgr., 253 Civic Center, San Diego 1, Calif. (Oct. '34) *MPR*

Rhynus, C. P., Box 886, Daytona Beach, Fla. (May '12) *P*

Ribner, Morris, Bureau of Water Supply, Mt. Prospect Lab., 355 Park Pl., Brooklyn, N.Y. (July '43)

Rice, Archie H., 1154 Polk St., Corvallis, Ore. (Jan. '42) *M*

Rice, B. P., Supervising Engr., Reconstruction Finance Corp., 713 Healy Bldg., Atlanta 3, Ga. (Apr. '37) *Fuller Award '43. M*

Rice, Cyrus W., Pres., Cyrus William Rice Co., Inc., 17 Noble Ave., Pittsburgh 5, Pa. (Oct. '24) *P*

Rice, Edward B., Dist. Engr., U.S. Dept. of the Interior, Geological Survey, Box 1326, Raleigh, N.C. (Oct. '47) *R*

Rice, Ernest G., Cons. Engr., 3445 N.E. Multnomah St., Portland 13, Ore. (Oct. '42) *MP*

Rice, John M., Cons. Engr., 950 Century Bldg., Pittsburgh 22, Pa. (June '21) *MPR*

Rice, Owen, Calgon, Inc., 323—4th Ave., Pittsburgh 22, Pa. (Apr. '37) *P*

Rice, W. H., Supt. of Bldgs. & Grounds, Morehead State Teachers College, Morehead, Ky. (July '41) *M*

Rice, William J., 2433 Angeles Ave., San Gabriel, Calif. (Oct. '44)

Rich, Edward D., 1013 W. Ionia St., Lansing, Mich. (Jan. '39) *Fuller Award '43.*

Rich, Ford G., Chief Engr., Water Works, Geneva, Ohio (Oct. '46)

Rich Mfg. Co. of California, J. W. Struve, Pres., 3851 Santa Fe Ave., Los Angeles 11, Calif. (Assoc. M. Sept. '27)

Richards, Arthur, *see* Larchmont, Village of

Richards, E. D., Mgr., Valley Water Co., Box 56, La Canada, Calif. (July '36) *M*

Richards, H. H., Supt., Industrial Chemical Sales Div., West Virginia Pulp & Paper Co., No. 1 Chemical Plant, Piedmont, W.Va. (Jan. '37) *P*

Richards, Kenneth G., Councilman, Water Dept., 903 Grant Ave., Eveleth, Minn. (Jan. '46)

Richards, Robert B., Sec. Chief, Munic. Sec., DeLeuw, Cather & Co., 150 N. Wacker Drive, Chicago 6, Ill. (Jan. '43) *MPR*

Richards, W. Franklin, Asst. Supt., Water Works, City-County Bldg., Ogden, Utah (July '48)

Richardson, Allyn St. Clair, Sr. San. Engr., Dist. No. 8, Dept. of National Health & Welfare, 302 Williamson Bldg., Edmonton, Alta. (Jan. '46) *PR*

Richardson, Andrew Kennett, Sales Repr., Worthington-Gamon Meter Co., 814 Kingston Ave., Racine, Wis. (Oct. '46)

Richardson, Charles G., Vice-Pres., Builders-Providence, Inc., Providence 1, R.I. (July '20)

Richardson, Dick, Service Mechanic, Water Dept., 1051—56th Ave., S.E., Portland 15, Ore. (Jan. '45)

Richardson, E. W., Engr., British Pacific Ptys., Ltd., Box 3, Hollyburn P.O., B.C. (Apr. '41) *M*

Richardson, Edwin Joseph, Operating Engr., General Water Works Corp., 211 W. 5th St., Pine Bluff, Ark. (Jan. '43) *M*

Richardson, G. S., *see* Tilbury Public Utilities Com.

Richardson, J. C., Supt. & Chief Chemist, Filter Plant, Saginaw 29, Mich. (May '30) *P*

Richardson, Pat, Service Engr., Johns-Manville Sales Corp., 613 Pan American Bldg., New Orleans 12, La. (Oct. '45)

Richey, L. G., City Engr., Box 374, Belmont, N.C. (Oct. '41) *M*

Richheimer, Charles E., Partner, Reynolds, Smith & Hills, Engrs. & Architects, Box 4817, 227 Park St., Jacksonville, Fla. (Jan. '37) *PR*

Richmond, E. A., *see* Alameda County Water Dist.

Rickard, Grover E., Supt., Bureau of Water, Municipal Bldg., Binghamton, N.Y. (June '26) *MPR*

Rickenbach, Howard F., Borough Mgr., Borough Hall, West Reading, Pa. (Jan. '46) *M*

Ricketts, H. Palmer, Field Engr., Infilco, Inc., 211 N. 11th St., Baton Rouge, La. (Jan. '46) *P*

Ricks, R. A., Supt., Filtration Plant, State Farm, Va. (July '48)

Riddell, James, Munic. Engr., Renfrew, Ont. (Jan. '48) *MPR*

Riddick, Thomas M., Cons. Eng. & Chemist, 369 E. 149th St., New York 55, N.Y. (Oct. '34) *P*

Riddle, R. B., Student, Texas A & M College, Box 2795, College Station, Tex. (Jr. M. Jan. '46)

Ridenour, G. M., Assoc. Prof. in Public Health Eng., School of Public Health, Univ. of Michigan, Ann Arbor, Mich. (Jan. '41) *P*

Ridenour, Ralph O., Asst. Civ. Engr., Dept. of Water & Power, 207 S. Broadway, Los Angeles 12, Calif. (Apr. '38)

Rider, Bert A., Water Meter Man, Phillips Petroleum Co., Phillips, Tex. (Affil. Jan. '47)

Rider, Ezra B., Sr. Engr., Metropolitan Water Dist. of Southern California, 306 W. 3rd St., Los Angeles 13, Calif. (Oct. '43) *MR*

Ridgely, Raymond G., Director, Dept. of Munic. Water Works, St. Petersburg, Fla. (Oct. '30) *MP*

Ridgetown Public Utilities Com., E. A. Hodgson, Secy.-Mgr., Ridgetown, Ont. (Corp. M. Jan. '43)

Ridgway, A. Stanley, Chief, Utilities Sec., Maint. & Operation Div., Constr. Service, Veterans Administration, Washington 25, D.C. (Apr. '46) *P*

Ridington, C. R., *see* Lansdale Munic. Authority

Ridley, Homer Joe, Mgr., Newport Munic. Water Co., Newport, Ark. (Apr. '46) *MPR*

Riedel, Carl Martin, Chem. Engr., Chemical Soil Solidification Eng., 8022 Paxton Ave., Chicago 17, Ill. (June '33) *Goodell Prize '46. R*

Riegel, H. I., *see* Kaiser Co., Inc.

Riegel, H. J., *see* Pump and Lighting Co., Inc.

Riegel Textile Corp., Guy M. Murff, Chief Operator, Water Dept., Ware Shoals Div., Ware Shoals, S.C. (Corp. M. Jan. '48) *P*

Riehl, Merrill L., Chief Chemist, Div. of Labs., State Dept. of Health, W. 10th Ave. & Perry, Columbus 10, Ohio (Apr. '40) *P*

Riepe, Gerald E., Director, Div. of San. Eng., State Health Dept., Boxton Bldg., Denver 2, Colo. (Jan. '47)

Riggs, Charles H., Dist. Mgr., Indiana Gas & Water Co., Inc., Franklin, Ind. (Jan. '43) *M*

Rigling, Vance F., Chief Engr., Water Utilities Service Corp., Box 146, Lemoyne, Pa. (Apr. '43) *MP*

Rihm, Alexander, Jr., Asst. San. Engr., Water Supply Sec., Bureau of Environmental Sanitation, State Dept. of Health, Albany, N.Y. (July '43) *PR*

Riker, I. Russell, Engr. & Director, Boro Hall, Princeton, N.J. (Affil. Jan. '38) *MP*

Riley, Harley M., Dist. San. Engr., State Dept. of Health, 709 Press Bldg., Binghamton, N.Y. (Apr. '46) *P*

Riley, Raymond A., Sr. Engr., Water Div., City Hall, Houston, Tex. (July '48)

Riley, Roy, Supervisor, Water Dept., 107 E. Mansfield St., Bucyrus, Ohio (Apr. '44) *MP*

Riley, Russell H., Partner, Harland Bartholomew & Assoc., 317 N. 11th St., St. Louis, Mo. (Jan. '48)

Riley, W. H., *see* North Carolina Dept. of Conservation & Development

Rimbach, T. N., Sales Engr., The Permutit Co., 3903 Olive St., St. Louis 8, Mo. (Apr. '40) *P*

Rimmer, James H., Asst. Supervisor, Water Distr., Water Works, City Hall, Cincinnati 2, Ohio (Apr. '40)

Rinaldo, Thomas James, Asst. San. Engr., Metropolitan Dist. Com., Water Div., 133 Hollis St., Framingham, Mass. (Jan. '46) *P*

Rinbrand, Adam F., *see* Rinbrand Well Drilling Co., Inc.

Rinbrand Well Drilling Co., Inc., Adam F. Rinbrand, Pres., 14 Waldron Ave., Glen Rock, N.J. (Assoc. M. Oct. '43)

Rinehart, C. M., *see* Hagerstown Water Dept.

Rinehart, Ray G., Sales Engr., Iowa Valve Co., 5741 Eddy St., Chicago 34, Ill. (Apr. '48)

Ringer, Walter C., Jr., Jr. San. Engr., Bureau of Water, 832 City Hall Annex, Philadelphia 7, Pa. (Jan. '43) *P*

Riordan, John E., Supt. of Filtration, 37 France St., Norwalk, Conn. (Oct. '37)

Ripley, H. A., Davis, Ripley & Assoc., Cons. Engrs., 207 Williamson Bldg., Edmonton, Alta. (Oct. '44)

Rippey, George S., Mech. Engr., 1823 S. Delaney St., Orlando, Fla. (Jan. '47)

Ripple, Oliver J., Ripple & Howe, Cons. Engrs., 426 Cooper Bldg., Denver 2, Colo. (Jan. '30) *Director '40–'43. Fuller Award '42. PR*

Ritch, Paul E., Resident Engr., Los Angeles Dept. of Water & Power, Independence, Calif. (Oct. '34)

Ritchie, E. G., 5 Lynedoch Ave., E. St. Kilda, S.2, Melbourne, Australia (Sept. '12) *Honorary M. '46.*

Ritchie, R. E., Supt., Water Dept., Harbor Beach, Mich. (Apr. '44) *P*

Ritchie, Richard J., Vice-Pres., Chem. Control, Pepsi-Cola Co., 47–51—33rd St., Long Island City 1, N.Y. (Jan. '43) *P*

Ritter, Roy H., Partner, Whitman, Requardt & Assoc., 1304 St. Paul St., Baltimore 2, Md. (July '43) *P*

Rittman Board of Public Affairs, U. J. Grant, Pres., Rittman, Ohio (Corp. M. July '46) *M*

Rittman, Wilfred John, Engr.-Mgr., The Marlow Water Co., 13 High St., Marlow, Bucks, England (Jan. '46) *M*

Ritzel, William J., Supt. of Constr. & Operation, Water Dept., 1040 Manzanita St., Pasadena 3, Calif. (Oct. '38) *M*

Riverside Public Utilities Com., D. D. MacKenzie, 1929 Wyandotte St., Riverside, Ont. (Corp. M. Jan. '48)

Riverside Water Dept., Dept. of Public Utilities, L. W. Grayson, Supt., Box 826, Riverside, Calif. (Corp. M. July '26) *MR*

Rives, James Allen, Assoc. Prof. of San. Eng., Dept. of Civ. Eng., Virginia Polytechnic Inst., Blacksburg, Va. (Oct. '46)

Rivett, Dennis W., 1911 Franklin Ave., Saskatoon, Sask. (Oct. '47)

Riviera Utilities Water Dept., S. F. Lemler, Gen. Mgr., Foley, Ala. (Corp. M. July '48)

Rizzie, Joseph F., Chemist, Water Dept., Castle Mining Co., Ramsey, Mich. (Oct. '46)

Roahrig, Henry L., San. Engr., Exec. Secy., Sanitation Study Sec., Div. of Research Grants & Fellowships, U.S. Public Health Service, Washington, D.C. (July '43)

Roan, Peter F., Mgr., Village of Wayne, 34808 Sims St., Wayne, Mich. (Jan. '48) *M*

Roark, Chris C., Foreman, Water Treating Plant, Neches Butane Products Co., Port Neches, Tex. (Apr. '47) *P*

Robbins, Clyde, *see* Delphi Water Works

Robbins, E. J., Mgr. & Secy., Mildura Urban Water Trust, Box 111, Mildura, Victoria, Australia (Jan. '47)

Robbins, Everitt, Supt., Dept. of Water Works, 55 N. 1st St., Scottsburg, Ind. (July '37) *M*

Robbins, George M., Sales Agent, U.S. Pipe & Foundry Co., 625 Plymouth Bldg., Minneapolis 2, Minn. (Oct. '39)

Robbins, James Melvin, Assoc. Prof. in Civ. Eng. & Exec. Assoc., Dept. of Civ. Eng., Newark College of Eng., Newark 2, N.J. (Jan. '39) *R*

Robbins Water Dept., C. B. Brooks, Supt., Robbins, N.C. (Corp. M. Oct. '42) *MP*

Robeck, Charles, Contractor-Sales Mgr., Robeck Construction Co., Sunderland Bldg., Omaha, Neb. (Apr. '47)

Roberts, Alfred M., Pres., Wanakah Water Co., R.F.D. No. 3, Hamburg, N.Y. (July '25) *M*

Roberts, Charles E., Civ. Engr., Water Board, Eugene, Ore. (Oct. '47)

Roberts, Charles V., Pres., Roberts Filter Mfg. Co., Darby, Pa. (Jan. '46) *P*

Roberts, E. A., City Clerk, Water Works System, Carlsbad, N.M. (Jan. '44)

Roberts, E. Fred, Cons. Engr., Dineen, Philips & Roberts, Box 720, Brantford, Ont. (Jan. '38) *PR*

Roberts, H. G., Partner, Roberts & Brune Co., 115 Townsend St., San Francisco 7, Calif. (Oct. '37)

Roberts, Harry N., Owner & Chief Engr., H. N. Roberts & Assoc., 1310 Ave. Q, Lubbock, Tex. (July '46) *PR*

Roberts, James Moran, Asst. Mgr., Munic. Eng. Dept., Robert & Co., Inc., 706 Bona Allen Bldg., Atlanta 3, Ga. (Apr. '38) *P*

Roberts, John S., Jr., Borough Engr., Bristol, Pa. (June '20) *P*

Roberts, Louis James, Gas & Water Supervisor, Southwestern Public Service Co., Box 1261, Amarillo, Tex. (Apr. '47) *MP*

Roberts, Norman E., *see* Port Jervis Water Dept.

Roberts Filter Mfg. Co., J. A. Thomas, Gen. Mgr., Darby, Pa. (Assoc. M. Mar. '10)

Robertson, George C., San. Engr., 1956 Coffee Pot Drive, St. Petersburg 4, Fla. (Oct. '44) *P*

Robertson, James, *see* Dominion Bridge Co., Ltd.

Robertson, R. J., *see* Gulf States Utilities Co.

Robertson, William J., Chief Engr., Pumping Station, Water Dept., 2018 N.W. 17th St., Oklahoma City 6, Okla. (Oct. '43) *M*

Robie, Kenneth W., Asst. Supt., Water Dept., 329 Washington St., Brookline, Mass. (Jan. '42) *M*

Robinson, Clarence M., Dist. Engr., State Dept. of Health, 98 N. Sandusky St., Delaware, Ohio (Oct. '46)

Robinson, Delbert Walton, Water & Gas Supt., Community Public Service Co., Fort Worth 2, Tex. (Apr. '27) *MPR*

Robinson, Frank K., Clerk, Water Dept., City Hall, East Liverpool, Ohio (July '34) *M*

Robinson, H. C., *see* Dundas Public Utilities Com.

Robinson, Hamilton E., City Engr., City Hall, Huntington Park, Calif. (Jan. '36) *MP*

Robinson, J. Albert M., Cons. Engr., 228 N. La Salle St., Chicago 1, Ill. (Oct. '31) *PR*

Robinson, J. W., Gen. Mgr., County Water Dist., 216 N. Church St., Pico, Calif. (Apr. '36) *P*

Robinson, James M., Rensselaer Valve Co., 66 Maple St., Hornell, N.Y. (Jan. '47)

Robinson, Joe Leslie, Dist. San. Engr., Bureau of San. Eng., State Dept. of Health, 301 N. Houston, Box 1741, Fort Worth, Tex. (July '47)

Robinson, John H., Supt., Water & Sewer Dept., Town House, Concord, Mass. (Jan. '40)

Robinson, Kyle I., *see* Pittsburgh Pipe Cleaner Co.

Robinson, Louis L., *see* Airways Water Co., Inc.

Robinson, Milton C., 6113 S. Harvard Blvd., Los Angeles 44, Calif. (Oct. '46)

Robinson, Roy R., Mgr., Board of Public Works, Elec. & Water, City Hall, Niles, Mich. (Jan. '46) *M*

Robinson, Stephen B., Atty., 720 Rowan Bldg., 458 S. Spring St., Los Angeles 13, Calif. (July '46) *M*

Robinson, T. C., Supt., Water & Light Dept., Granite Falls, N.C. (July '38)

Robinson, T. M., Asst. Engr., Mahoning Valley San. Dist., Box 298, Youngstown, Ohio (July '43) *M*

Robinson, Thomas B., Asst. Engr., Black & Veatch, 4706 Broadway, Kansas City 2, Mo. (Jan. '48) *MPR*

Robinson, W. M., Secy.-Mgr., Water Works, 101 City Hall Bldg., Fort Worth, Tex. (Oct. '47) *M*

Robinson, William E., Engr. & Supt., Water Dept., Utility Bldg., Calgary, Alta. (Feb. '30) *M*

Robke, Robert, Water Works Supt., Plentywood, Mont. (Jan. '47)

Roby, Richard E., 204 Herman St., Hackensack, N.J. (Jan. '41)

Roche, Jack B., Dist. Mgr., Culligan Zeolite Co., 3229 Easton Blvd., Des Moines, Iowa (Apr. '47)

Rock, Harold F., Sr. San. Engr., Water Supply Sec., State Dept. of Health, Oneonta, N.Y. (Jan. '40) *P*

Rockaway Water Dept., Charles T. Nichols, Supt., Municipal Bldg., Rockaway, N.J. (Corp. M. Oct. '43) *M*

Rock Island Water Dept., Nicholas J. Hoeltzner, Supt., City Hall, Rock Island, Ill. (Corp. M. Oct. '41)

Rockwell, Willard F., Chairman, Rockwell Mfg. Co., 400 N. Lexington Ave., Pittsburgh 8, Pa. (Feb. '28) *Director '47–'50.*

Rockwell, Willard F., Jr., Pres., Rockwell Mfg. Co., 400 N. Lexington Ave., Pittsburgh 8, Pa. (Jan. '44) *M*

Rockwell Mfg. Co., *see also* Pittsburgh Equitable Meter Div.

Rockwell Mfg. Co., Water Meter Div., George H. Gleeson, Sales Mgr., 400 N. Lexington Ave., Pittsburgh 8, Pa. (Assoc. M. June '98)

Rocky Mount, Town of, Cecil Frith, Supt., Water Dept., Rocky Mount, Va. (Corp. M. Jan. '45)

Rod, Mons, Water Supt., Kent, Wash. (Apr. '36) *M*

Roderick, D. H., *see* Jefferson Chemical Co., Inc.

Rodolf, Carl F., Asst. Water Service Engr., Southern Pacific Co., 65 Market St., San Francisco 5, Calif. (Jan. '43) *PR*

Rodriguez P., Jesus A., Designing Engr., Ministerio de Obras Publicas, Avilanes a Mirador 59, Caracas, Venezuela (Jan. '42)

Roe, Lewis T., Chemist, City Water Dept., Route 5, Emporia, Kan. (Oct. '46)

Roetman, Edmond T., San. Engr., American Viscose Corp., 35 S. 9th St., Philadelphia, Pa. (Feb. '34) *PR*

Rofman, Joseph, Designing Engr., Alexander Potter Assoc., 50 Church St., New York 7, N.Y. (Affil. Jan. '48)

Rogers, A. H., *see* Garden City, Inc. Village of

Rogers, Edward J., Pres. & Gen. Mgr., Layne-Northwest Co., 709 N. 11th St., Milwaukee 3, Wis. (Jan. '42) *R*

Rogers, J. H., *see* Creedmoor, Town of

Rogers, Joseph H., Dist. Supt., Southern California Water Co., 5750 Gardendale Ave., Hollydale, Calif. (Oct. '43) *MP*

Rogers, L. R., *see* Steel Protection & Chemical Co., Inc.

Rogers, Lee, Pres., Layne-Minnesota Co., 3140–48 Snelling Ave., Minneapolis 6, Minn. (Jan. '39)

Rogers, Milford E., Project Engr., Builders-Providence, Inc., 9 Codding St., Providence 1, R.I. (Jan. '45) *P*

Rogers, Morton W., Mgr., Public Utility Com., Mill St., Carleton Place, Ont. (Mar. '27) *MPR*

Rogers, Samuel M., Sanitarian, Broward County Health Dept., Ft. Lauderdale, Fla. (Oct. '47) *P*

Rogers, T. M., Supt., City Water Works, Easley, S.C. (July '35) *MP*

Rogeven, Joseph M., Supt., Water Distr., 515 S. Water St., Jackson, Mich. (July '48)

Rohan, George J., Pres., The Rohan Co., Inc., Box 887, Waco, Tex. (Jan. '35) *Director '39–'42. MP*

Rohde, Theodore H., Prin. Asst. Supt., Bureau of Water Supply, 505 Municipal Bldg., Baltimore 2, Md. (Oct. '46) *M*

Rohlich, Gerard Addison, Assoc. Prof. of San. Eng., Univ. of Wisconsin, Madison 6, Wis. (July '44) *P*

Roll, Adelbert H., Supt., Munic. Water-Sewerage Depts., 316 E. Main St., Chilton, Calumet County, Wis. (Apr. '43) *M*

Rollins, E. M., Jr., *see* Southern Alkali Corp.

Rome Bureau of Water, C. E. Rosenburgh, Supt., 110 W. Liberty St., Rome, N.Y. (Corp. M. Apr. '22) *MP*

Rome, Robert, Deputy City Engr., Engr.'s Dept., City Hall, Vancouver, B.C. (Dec. '30)

Romeiser, Charles H., Supt., City Elec. & Water Dept., City Hall, Auburn, Ind. (July '43) *MPR*

Romer, Harold, San. Engr., Veterans Administration, Constr. Service, 346 Broadway, New York 13, N.Y. (Apr. '43) *MP*

Romer, John B., *see* Babcock & Wilcox Co.

Romig, F. V., Mgr., Beall Pipe & Tank Corp., 1945 N. Columbia Blvd., Portland 3, Ore. (Jan. '35)

Romine, Harrison E., Assoc. Engr.-Geologist, Pacific Islands Engrs., Guam, M.I. (Apr. '46) *R*

Roob, F. H., Supt., Water & Light Dept., Columbus, Wis. (Jan. '41)

Rooks, Ernest L., Supt., Water & Light, Plymouth, Ohio (July '47)

Rooney, John T., Mgr., Monongahela Valley Water Co., Market St., Elizabeth, Pa. (Oct. '43) *M*

Rooney, William J., Supt. of Filtration Plant, U.S. Navy, FPO 1506, New York, N.Y. (Jan. '45) *MP*

Roop, Ralph E., City Engr. & Water Supt., City Hall, Decatur, Ind. (Apr. '43) *M*

Roos, Charles M., Mgr., East St. Louis & Interurban Water Co., East St. Louis, Ill. (May '13) *Fuller Award '38. M*

Root, Darrell A., Supervising Civ. Engr., Special Dist. No. 1, East Bay Munic. Utility Dist., Box 720, Oakland 4, Calif. (Apr. '42) *P*

Roper, Roswell M., Engr. & Gen. Mgr., Board of Water Comrs., City Hall, East Orange, N.J. (May '19) *MR*

Roper, Thomas, Jr., *see* Carbide & Carbon Chemical Corp.

Rosalini, Joseph, Supt., Water Works, Highwood, Ill. (Apr. '44) *P*

Rose, Joseph L., 1104 Brummel, Evanston, Ill. (Jan. '42)

Rose, Nicholas A., Cons. Ground Water Geologist, 1309 Anita Ave., Houston 4, Tex. (Jan. '47) *R*

Rose, Thomas D., Engr., Chapel Hill, N.C. (Jan. '46) *P*

Rosen, Milton, *see* St. Paul Board of Water Comrs.

Rosenbaum, Arthur H., *see* Hayman, Michael, & Co., Inc.

Rosenburgh, C. E., *see* Rome Bureau of Water

Rosenthal, Helman, Director, Dallas Labs., 2500 S. Ervay St., Dallas, Tex. (June '18) *P*

Ross, A. W., Vice-Pres., Layne-New York Co., 246 Upper Mountain Ave., Upper Montclair, N.J. (Jan. '36)

Ross, Charles A., Supt. of Constr., Water Dept., Zanesville, Ohio (Apr. '43) *M*

Ross, Edward J., Chemist, St. Louis County Water Co., 6600 Delmar Blvd., St. Louis 5, Mo. (Apr. '48)

Ross, H. S., Asst. Supt., Water Dept., 1040 Manzanita St., Pasadena 3, Calif. (Oct. '42) *M*

Ross, Herman M., Sales Engr., Water Conditioning Div., Graver Tank & Mfg. Co., 332 S. Michigan Ave., Chicago, Ill. (Affil. Jan. '43) *P*

Ross, Robert, Water Supt., Water Dept., Fortuna, Calif. (Jan. '47)

Ross, T. T., State Health Officer, State Board of Health, Little Rock, Ark. (Jan. '47) *PR*

Ross Valve Mfg. Co., Inc., William F. End, Treas., Oakwood Ave., Troy, N.Y. (Assoc. M. Apr. '91)

Rossio, Charles J., Transite Pipe Repr., Johns-Manville Sales Corp., 711 S.E. Alder St., Portland, Ore. (Jan. '47)

Rossum, John R., San. Engr., California Water Service Co., 374 W. Santa Clara St., San Jose 8, Calif. (Jan. '41) *P*

Roth, B. F., Supt. of Utilities, Oxford, Ohio (Oct. '46)

Roth, Jay D., Water Supply Engr., City Hall, Miami Beach 39, Fla. (Oct. '45) *MR*

Rothman, Edwin, Dist. Mgr., Wallace & Tiernan Co., Inc., R.F.D. No. 4, Box 259, Bridgeport, Conn. (July '35) *P*

Rotthaus, Helen (Mrs.), Secy., San. Eng. Div., State Dept. of Health, Phoenix, Ariz. (Apr. '48)

Rowe & Webb Eng. Service Co., Cons. Engrs., W. P. Rowe, 2635 Main St., Riverside, Calif. (Corp. M. Jan. '47) *MPR*

Rowe, Edgar Alan, Owner, Lippincott & Rowe, 714 W. Olympic Blvd., Los Angeles 15, Calif. (Nov. '22)

Rowe, Edmund L., Headquarters U.S. Army, Alaska, Engr.'s Office, APO 142, c/o Postmaster, Seattle, Wash. (Jan. '48)

Rowe, Ernest J., Supt., Water & Light Dept., Municipal Bldg., Wellsville, N.Y. (June '21) *Fuller Award '44. MP*

Rowe, W. P., *see* Rowe & Webb Eng. Service Co.

Rowley, Everett C., Asst. Engr., Long Island Water Corp., 337 Merrick Rd., Lynbrook, N.Y. (Feb. '34)

Royce, William A., *see* Traverse City Iron Works

Royer, R. Stuart, & Assoc., R. Stuart Royer, 401 Virginia Bldg., Richmond 19, Va. (Corp. M. Jan. '48)

Rozlosnik, Andres, Mining Engr., Director Técnico, Compania Exploradora y Perforadora, Agua y Minerales S.A., Viamonte 1570 P° 2°, Buenos Aires, Argentina (July '47) *R*

Roznoy, Louis W., San. Engr., Celanese Corp. of America, 2 Park Ave., New York 16, N.Y. (July '48)

Rubbo, Jacob F., Supt. of Filtration, City Water Dept., Iron Mountain, Mich. (July '38) *P*

Ruble, R. O., Cons. Engr., Box 308, Santa Fe, N.M. (Oct. '46)

Ruck, Franklin, Supervisor, Water Softener & Sewage Disposal Plants, Troy, Ohio (July '44) *MP*

Rucker, Raymond H., Asst. Supt. of Distr., Indianapolis Water Co., 113 Monument Circle, Indianapolis 6, Ind. (Jan. '45) *MR*

Rudd, E. Irvine, Assoc., William S. Leffler Engrs., Assoc., Noroton, Conn. (Jan. '38) *M*

Rudgal, Harold T., *see* Kenosha Water Dept.

Rudolfs, Willem, Prof., Chairman, Dept. of Sanitation, New Jersey Agricultural Expt. Station, Rutgers Univ., New Brunswick, N.J. (Oct. '35) *P*

Ruehl, Edward H., Assoc., R. Stuart Royer & Assoc., Cons. Engrs., 401 Virginia Bldg., 5th & Main Sts., Richmond 19, Va. (July '35) *MPR*

Ruehle, Ralph L. F., Supt., Warren Township Water Dept., 22720 Van Dyke Ave., Van Dyke, Mich. (July '42) *M*

Ruggles, Roy, Supt., Constr. & Distr., 646 Hemphill Ave., N.W., Atlanta, Ga. (Apr. '48)

Ruhl, J. Luther, Supervisor of Water Dept., War Dept., Carlisle Barracks, Boiling Springs, Pa. (Apr. '47)

Rumball, A. E., *see* Clinton Public Utilities

Rumberger, C. A., Supt., Citizens Water Service Co., 207 Spruce St., Philipsburg, Pa. (Sept. '31) *M*

Rumsey, A. W., Chief Chemist, Board of Public Utilities, City Hall, Kansas City 16, Kan. (Jan. '44) *MP*

Runnion, Marvin F., Mgr., Water Works System, Harlingen, Tex. (Oct. '46)

Runyan, Damon O., Cons. Engr., Longmont, Colo. (Oct. '47) *P*

Runyon, Frederick O., Cons. Engr., Runyon & Carey Assoc., 31 Fulton St., Newark 2, N.J. (Apr. '36) *P*

Ruppert, Edwin L., Head, Environmental Sanitation Sec., Div. of Public Health Eng., State Dept. of Health, 1403 Smith Tower, Seattle 4, Wash. (Apr. '44)

Ruscica, Samuel, Gen. Mgr., Ruscica Bros. Co., 41 Industrial St., Leaside, Toronto 17, Ont. (Apr. '44) *P*

Rush, Karl K., Tech. Director, Electric Chemical Co., 8001 Franklin Blvd., Cleveland 2, Ohio (Jan. '41) *P*

Rushton, A. Frank, Dept. Head, Armco Drainage & Metal Products, Inc., Box 1343, Atlanta, Ga. (July '46) *PR*

Rushville Water, Light & Power Plant, Harry Petry, Supt., Box 112, Rushville, Ind. (Corp. M. Jan. '48) *MPR*

Russell, Alexander, 204 Triangle Bldg., Rochester 4, N.Y. (Sept. '27) *M*

Russell, F. A., *see* Lawrence City Water Dept.

Russell, George S., Pres., Russell & Axon, Cons. Engrs., 408 Olive St., St. Louis 2, Mo. (Apr. '46) *MP*

Russell, J. Bernard, Mgr. & Engr., City Water Works, 103 E. Montgomery St., Creston, Iowa (Jan. '42) *M*

Russell, J. P., Mng. Editor, *Water & Sewage,* 341 Church St., Toronto 2, Ont. (Jan. '34)

Russell, Jess L., Resident Engr.-Mgr., Russell & Axon, Old 3rd Bank Bldg., Union City, Tenn. (Oct. '47) *MPR*

Russell, Norman F. S., Chairman of Board of Directors, U.S. Pipe & Foundry Co., Drawer 306, Burlington, N.J. (Dec. '15)

Russell, Ralph S., *see* Hydraulic Supply Mfg. Co.

Russell, Roscoe, Supt., Water Dept., Municipal Bldg., Sherman, Tex. (Oct. '43)

Russell, Sherman, Supt., Water Purif., Water Works, 1210 Hemphill Ave., N.W., Atlanta, Ga. (July '43) *P*

Russell, Spruell Alton, Cons. Civ. Engr., 2611 Ave. G, Rosenberg, Tex. (Jan. '48)

Russell, William J., Supt., Water Dept., Benton Harbor, Mich. (Jan. '38) *MP*

Russo, Louis, Asst. Supt., Water & Sewer Dept., Town of Greenburgh, 12 Edgemont Highway, Scarsdale, N.Y. (Jan. '41) *M*

Rusta Restor Div., The Johnston & Jennings Co., A. B. MacTaggart, Mgr., 862 Addison Rd., Cleveland 14, Ohio (Assoc. M. July '40)

Ruston, G. H., Supt. of Water, Water Dept., Kenilworth, Ill. (Apr. '40) *M*

Ruth, Leo W., Civ. Engr., James & Waters, Civ. Engrs., 985 The Alameda, San Jose 22, Calif. (Jan. '43) *M*

Rutkin, Nathan, 640 E. 12th St., New York, N.Y. (Oct. '46)

Rutledge, E. A., *see* Rensselaer Valve Co.

Rutt, Raymond, Asst. Secy., Northern Illinois Water Corp., 1826 Bankers Bldg., 105 W. Adams St., Chicago 3, Ill. (Jan. '47) *M*

Ryan, Alfred Joseph, Partner, Crocker & Ryan, Cons. Engrs., 1231 First National Bank Bldg., Denver, Colo. (Oct. '45) *P*

Ryan, Beverly E., Asst. Engr., Munic. Water Works, Robinson Memorial Auditorium, Little Rock, Ark. (Apr. '47) *M*

Ryan, C. J., *see* Allendale Water Dept.

Ryan, Daniel M., Supt., Water Dept., City Hall, Brockton 22, Mass. (July '42) *MR*

Ryan, Ed. J., San. Inspector, North Jersey Dist. Water Supply Com., Wanaque, N.J. (Apr. '44)

Ryan, Edmund J., Sr. San. Engr., Headquarters, U.S. Army, Alaska, c/o Army Engr., APO 942, c/o Postmaster, Seattle, Wash. (Jan. '43) *P*

Ryan, Edward T., Sales Engr., Ryan Hydraulic Specialties Co., 307 Buchanan St., Phoenix, Ariz. (July '48)

Ryan, W. J., Asst. Engr., Eng. Dept., Louisville Water Co., 435 S. 3rd St., Louisville 2, Ky. (Apr. '47)

Ryan, William J., Tech. Mgr., Water Service Labs., Inc., 423 W. 126th St., New York 27, N.Y. (Apr. '45) *P*

Rybka, Karel R., Cons. Engr., 96 Bloor St., W., Toronto, Ont. (Jan. '48) *PR*

Rybolt, Charles H., Sales Mgr., Lucidol Div., Novadel-Agene Corp., 1740 Military Rd., Buffalo 5, N.Y. (Jan. '46)

Ryle, John, Supt., Passaic Dist., Passaic Valley Water Com., 145 Prospect St., Passaic, N.J. (Dec. '19) *M*

Rynda, Joseph T., Jr., Supt., Public Utilities Com., Box 145, New Ulm, Minn. (Oct. '47) *P*

Rynders, Arthur, Engr. in Charge of Plant Constr., City Hall, Milwaukee 2, Wis. (July '37) *M*

Sack, A. G., Supt., Water & Sewer Com., Gillett, Wis. (July '43) *M*

Sacramento Div. of Water, Carl M. Hoskinson, Supt. & Chief Engr., Div. of Water & Sewers, 112 City Hall, Sacramento 14, Calif. (Corp. M. Apr. '32) *MPR*

Safford, M. A., Sales Engr., Wallace & Tiernan Co., Inc., 82 State St., Albany 7, N.Y. (Oct. '47)

Sage, Howard D., Supt. of Water & Sewerage, 192 S. Main St., Mechanicville, N.Y. (Apr. '39) *MP*

Sahnd, William, Supervisor of Water Distr., Water Works Dept., 242 City Hall, Cincinnati 2, Ohio (Oct. '38) *M*

Saindon, Homer C., Mgr., Radnor Water Dist., 2229 Nolensville Rd., Nashville 11, Tenn. (July '35) *M*

Saindon, Phillip C., Supt., 1st Suburban Water Utility Dist. of Davidson County, 2229 Nolensville Rd., Nashville 11, Tenn. (July '41)

St. James Water Dist., Frank Frederick Sr., Supt., Water Plant, St. James, N.Y. (Corp. M. Apr. '47) *M*

St. John, C. H., Box 1411, Pensacola, Fla. (Oct. '42) *MP*

St. John, L. D., Asst. Supt., Water Dept., 1000 Main St., Jacksonville 6, Fla. (Apr. '30) *M*

St. John Water & Sewerage Dept., W. R. Godfrey, Director of Works, 74 Carmarthen St., St. John, N.B. (Corp. M. Jan. '47) *M*

St. Johnsville, Village of, Roy Nellis, Supt. of Water Dept., St. Johnsville, N.Y. (Corp. M. Oct. '44)

St. Lawrence River Power Co., Elec. Dept., J. R. Ibach, Elec. Supt., Massena, N.Y. (Corp. M. July '47)

St. Louis County Health Dept., Louis W. Pickles, 651 Brentwood Blvd., Clayton 5, Mo. (Corp. M. July '48)

St. Marys Public Utilities Com., A. E. Fort, Mgr., St. Marys, Ont. (Corp. M. Nov. '19) *M*

Saintonge, Rosaire, City Engr., City Hall, Thetford Mines, Que. (Jan. '48) *MPR*

St. Paul Board of Water Comrs., Milton Rosen, Comr. of Public Utilities, St. Paul 2, Minn. (Corp. M. Apr. '29)

St. Thomas Public Utilities Com., J. W. Peart, Gen. Mgr. & Engr., 474 Talbot St., St. Thomas, Ont. (Corp. M. Apr. '09) *M*

Salem Water Dept. [Ore.], C. E. Guenther, Mgr., Box 190, Salem, Ore. (Corp. M. Jan. '40)

Salem Water Dept. [N.J.], Harold Homan, Supt., Municipal Bldg., Salem, N.J. (Corp. M. Apr. '39)

Salina Water Works, H. F. Harper, City Engr., Salina, Kan. (Corp. M. Jan. '48) *P*

Salmond, K. J., *see Water & Sewage*

Salmon, N. J., Water Supt., 204 E. Market St., Aberdeen, Wash. (Jan. '48)

Salomon, Herman, *see* Salomon, L. A., & Bro.

Salomon, L. A., & Bro., Herman Salomon, 216 Pearl St., New York 7, N.Y. (Assoc. M. Oct. '34)

Salt Lake City Corp., Dow H. Young, Supt., Dept. of Water Supply & Water Works, 114 C. & C. Bldg., Salt Lake City, Utah (Corp. M. Feb. '20) *M*

Salter, Fitzgerald, Supt., City Water Works, Montgomery, Ala. (July '38)

Salter, W. M., *see* Barrie Public Utilities Com.

Saltzgaber, M. Earl, Saltzgaber Drilling Co., 32 S. Adams St., Mansfield, Ohio (July '48)

Salvato, Joseph A., Jr., Dist. San. Engr., State Dept. of Health, 35 Market St., Poughkeepsie, N.Y. (Jan. '47)

Samborski, William, 3865 Glacier Way, Ann Arbor, Mich. (Jan. '46) *P*

Sammons, William H., 206—5th St., Corbin, Ky. (Jr. M. July '47)

Sample, J. A., Chief Chemist, Weirton Steel Co., Weirton, W.Va. (Affil. Jan. '46) *MP*

Sampson, George A., Cons. Engr., Weston & Sampson, 14 Beacon St., Boston 8, Mass. (Jan. '44) *P*

Sampson, J. A., Asst. Public Health Engr., Div. of Public Health Eng., State Dept. of Health, 1027 Des Moines St., Des Moines, Iowa (Jan. '47) *P*

Sams, Bruce J., Indus. & Domestic Water Plant, Gen. Delivery, Port Wentworth, Ga. (Jan. '48)

Samson, R. A., Supt., Water Dept., Municipal Bldg., Brighton, Colo. (Jan. '44)

Samson, Walter Howard, Mgr., Mullin Well Drilling Co., Ltd., 955 S. Queen St., Honolulu, Hawaii (Jan. '47)

Samuel, T. D., Jr., 442 W. 68th St., Kansas City 5, Mo. (Oct. '28)

Samuel, Thomas D., III, Resident Engr., Black & Veatch, 130 E. 65th Terrace, Kansas City 5, Mo. (July '44) *P*

San Antonio City Water Board, W. D. Masterson, Mgr., Box 2449, San Antonio 6, Tex. (Corp. M. Oct. '38) *MR*

San Antonio Machine & Supply Co., Julian L. Willke, Vice-Pres. & Chief Engr., San Antonio, Tex. (Assoc. M. Jan. '46)

San Bernardino Board of Water Comrs., Bard Livingstone, Supt., 416—3rd St., San Bernardino, Calif. (Corp. M. Nov. '33) *MPR*

San Bernardino County Flood Control Dist., R. V. Ward, Asst. Engr., 115 E. 6th St., San Bernardino, Calif. (Corp. M. July '42) *PR*

San Diego Water Dept., Fred D. Pyle, Hydr. Engr., 702 Civic Center, San Diego 1, Calif. (Corp. M. Jan. '25) *R*

San Dimas-Charter Oak Domestic Water Co., J. R. Shoemaker, Mgr., San Dimas, Calif. (Corp. M. July '42)

San Fernando Water Dept., Ray Walker, Supt., 302 S. Brand, San Fernando, Calif. (Corp. M. Jan. '36) *MPR*

San Francisco, *see also* Suburban Water Co.

San Francisco Water Dept., Nelson A. Eckart, Gen. Mgr. & Chief Engr., 425 Mason St., San Francisco 1, Calif. (Corp. M. Nov. '33) *MP*

San Gabriel County Water Dist., Lupie Valencia, Secy., 106 N. San Gabriel Blvd., San Gabriel 4, Calif. (Corp. M. Jan. '44) *R*

San Jose Water Works, Ralph Elsman, Pres., 374 W. Santa Clara St., San Jose, Calif. (Corp. M. Apr. '13) *MPR*

Sanborn, James F., Cons. Engr., 50 Church St., New York 7, N.Y. (Aug. '21)

Sanborn, Robert B., Owner, Culligan Soft Water Service of Clayton, Box 5, Clayton 5, Mo. (Jan. '47)

Sanborn, William E., Chem. Engr., Tech. Service Div., American Cyanamid Co., 1937 W. Main St., Stamford, Conn. (Jan. '46) *P*

Sanchez Giquel, Rafael, Chief Engr., Havana Water Works, 117—27th St., Vedado, Havana, Cuba (July '38)

Sánchez Mora, José Antonio, Designing Engr., Reducto a Glorieta 90, Caracas, Venezuela (Apr. '47)

Sanchis, Joseph M., San. Engr., Dept. of Water & Power, 2745 Medlow Ave., Los Angeles 41, Calif. (Oct. '34) *P*

Sanders, John F., Supt., Water Dept., Box 178, Boonville, Mo. (Oct. '43) *M*

Sanders, M. D., Head, Chem. Eng. Div., Swift & Co., Research Labs., Union Stockyards, Chicago 9, Ill. (Jan. '47) *PR*

Sanders, Verne G., Civ. Eng. Assoc., Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Jan. '48)

Sanderson, A. U., Chief Engr. of Water Supply, Dept. of Works, City Hall, Toronto, Ont. (June '20) *Director '31–'34. MP*

Sanderson, Charles E., Dept. Head, Utilities, Carbide & Carbon Chemical Corp., Oak Ridge, Tenn. (July '47) *P*

Sanderson, Solon, Water Supt., Arkansas Utilities Co., Marianna, Ark. (Oct. '45) *P*

Sandlin, Gordon, Foreman, Natchitoches, La. (Oct. '46)

Sandmaier, Philip J., *see* Republic Steel Corp.

Sandquist, Emil, Asst. Div. Engr., Federal Works Agency, Bureau of Community Facilities, 422 New Customhouse, Denver 2, Colo. (Jan. '27) *Director '33–'36.*

Sandy, C. R., Supt., Water Works, Sistersville, W.Va. (Apr. '48)

Sanford, J. Homer, Cons. Engr., Geologist, 500—5th Ave., New York 18, N.Y. (Apr. '48)

Sangdahl, George S., Mgr., Cleveland Office, Chicago Bridge & Iron Co., 45 Prospect Ave., W., Cleveland 15, Ohio (Apr. '36)

Sangder, Otto H., Chief Chemist, Tech. Dept., Rayonier, Inc., Grays Harbor Div., Hoquiam, Wash. (Jan. '43) *P*

Santa Ana Valley Irrigation Co., G. P. Allen, Secy.-Supt., 154 N. Glassell St., Orange, Calif. (Corp. M. Apr. '38) *M*

Santa Ana Water Dept., Otto R. Hahn, Water Comr., Santa Ana, Calif. (Corp. M. Oct. '37)

Santa Barbara, City of, Chesley M. Pinkham, Supt., Water Works Dept., City Hall, Santa Barbara, Calif. (Corp. M. Oct. '37)

Santagata, John Thomas, Engr.-Draftsman, Mahoning Valley San. Dist., Box 298, Youngstown 1, Ohio (Jan. '47) *P*

Santana, Rogelio A., Chief Engr., Water Works Dept., Ministry of Public Works, Havana, Cuba (Jan. '39)

Santry, Israel Wootan, Jr., Assoc. Prof. of Civ. Eng., School of Eng., Southern Methodist Univ., Dallas 5, Tex. (Apr. '44) *P*

Sargent, A. L., Exec. Director, Illinois Munic. League, 537 S. 4th St., Springfield, Ill. (July '47)

Sargent, George Henry, City Engr., La Grange, Ga. (Dec. '29) *M*

Sassani, Michael J., San. Engr., Bureau of Yards & Docks, U.S. Navy Dept., Washington 25, D.C. (July '44) *P*

Saticoy Water Co., Louis G. Norton, Supt., Box 275, Saticoy, Calif. (Corp. M. Apr. '43) *M*

Satterlee, Don E., Mayor, Chairman, Board of Water Comrs., Bellingham, Wash. (Jan. '48)

Satterwhite, Troy L., Chem. Engr., Humble Oil & Refining Co., 709 Gresham Ave., Goose Creek, Tex. (Jan. '46) *MP*

Sauereisen, C. Fred, Pres., Sauereisen Cements Co., Sharpsburg Station, Pittsburgh 15, Pa. (Oct. '40) *P*

Saunders, Daniel J., Vice-Pres., The Permutit Co., 330 W. 42nd St., New York 18, N.Y. (Apr. '37) *P*

Saunders, Edward F., Petroleum Engr., Producing Dept., The Texas Co., Box 506, El Dorado, Kan. (July '46) *PR*

Saunders, Max D., *see* North Carolina, Univ. of

Saville, Caleb Mills, Cons. Engr., Water Bureau of Metropolitan Dist., 650 Main St., Hartford, Conn. (Mar. '16) *MP*

Saville, Thorndike, Dean, College of Eng., Prof. of Hydr. & San. Eng., New York Univ., University Heights, New York 53, N.Y. (Aug. '20) *P*

Savoie, Robert, 315 Sallier St., Lake Charles, La. (July '46)

Sawyer, Clair Nathan, Assoc. Prof. of San. Chemistry, Civ. & San. Eng., Massachusetts Inst. of Technology, Cambridge 39, Mass. (Jan. '41) *P*

Sawyer, Robert W., Cons. Engr., 46 Ferncliff Rd., Scarsdale, N.Y. (Oct. '32) *PR*

Sax, Arthur C., Field Engr., The Permutit Co., 3546—74th St., Jackson Heights, N.Y. (Apr. '44) *MP*

Sayre, Albert Nelson, Geologist in Charge, Div. of Ground Water, Water Resources Branch, Geological Survey, U.S. Dept. of Interior, Washington 25, D.C. (Apr. '43) *R*

Sayre Water Co., George M. West, Sayre, Pa. (Corp. M. Jan. '42)

Scallin, J. C., *see* Mitchell Water Dept.

Scanlon, Edward J., Diesel Sales Mgr., James W. Bell Co., Inc., 1720 I Ave., N.E., Cedar Rapids, Iowa (Oct. '47)

Scarborough Public Utilities Com., Elec. & Water Works Dept., Ronald Harrison, Mgr. & Secy.-Treas., 1666 Kingston Rd., Toronto 13, Ont. (Corp. M. Jan. '35) *MP*

Scarritt, Elwood W., Chem. Director, Elgin Softener Corp., 120–70 N. Grove Ave., Elgin, Ill. (Dec. '28) *P*

Schacht, F. E., Supt., Public Works, West Chicago, Ill. (Oct. '46)

Schaefer, Edward J., Dist. Engr., U.S. Geological Survey, Ground Water Div., 553 E. Broad St., Columbus 2, Ohio (July '47) *R*

Schaefer, Eric, Chief Engr., Harold T. Smith, Contractor, Apdo. 630, Quito, Ecuador (Apr. '47) *PR*

Schaefer, W. L., *see* National Tube Co.

Schaefer, Walter A., 38 Prince St., Elizabeth 3, N.J. (Jan. '37)

Schaeffer, Joseph G., Director, Div. of Sanitation, Provincial Health Dept., Regina, Sask. (Jan. '37) *P*

Schafer, Frederick, Administrative Aid, Water Dept., 215 W. Broadway, Long Beach 2, Calif. (Oct. '45) *MR*

Schamberger, Karl H., Jr. Assoc. Engr., Bureau of Water Supply, 1314 Lakeside Ave., Baltimore, Md. (Jan. '42) *M*

Schanafelt, W. E., Water Comr., Water Dept., Chadron, Neb. (Apr. '47) *P*

Schanze, C. E., Mgr., Joplin Water Works Co., 214 W. 4th St., Joplin, Mo. (Oct. '38)

Scharff, Maurice R., Cons. Engr., 285 Madison Ave., New York 17, N.Y. (Jan. '26) *M*

Schaut, George G., 1308 W. Ontario St., Philadelphia 40, Pa. (Oct. '22) *P*

Scheak, Harrison M., Chemist, Victoria Park Filtration Plant, Queen St., E., Toronto, Ont. (Jan. '43) *P*

Scheffer, Louis K., Dist. Engr., State Dept. of Health, State Capitol, Harrisburg, Pa. (July '42) *MP*

Scheinert, Albert G., Repr., 1404 Oliver Bldg., Pittsburgh, Pa. (Oct. '39)

Schenectady, City of, John H. Burwell, Engr., Dept. of Water, 102 City Hall, Schenectady, N.Y. (Corp. M. July '37)
Scherer, Walter K., Mgr., Scherer Soft Water Service, 424 Madison St., Ottawa, Ill. (Oct. '45)
Scherich, Lloyd J., Mgr., Light & Water Dept., Superior, Neb. (Apr. '45) *MP*
Schiesz, L. B., Pres., Indiana Gas & Water Co., Inc., 1630 N. Meridian St., Indianapolis 2, Ind. (Jan. '46) *MPR*
Schiller, Bernard, San. Engr., Southern California Water Co., 1206 S. Maple Ave., Los Angeles 15, Calif. (Apr. '47) *P*
Schimmel, B. A., *see* R.P.B. Corp.
Schirmer, William, *see* Parker Lab.
Schiverea, Walter J., Borough Engr. & Supt. of Public Works, Municipal Bldg., Freehold, N.J. (Oct. '35) *M*
Schlafge, William H., *see* Minnesota & Ontario Paper Co.
Schleicher, William A., Chemist in Charge of Pollution Control, Div. of Game & Fish, Dept. of Conservation, Frankfort, Ky. (Affil. Oct. '45) *P*
Schlicht, John C., Treas., Hackensack Water Co., 4100 Park Ave., Weehawken, N.J. (June '26) *MPR*
Schlie, Everett H., Box 474, Dubuque, Iowa (Apr. '42) *P*
Schlott, Ralph, Supervisor of Distr., Water Works, 126 Park Ave., S.W., Canton 6, Ohio (July '39)
Schmid, E. B., Schuyler, Neb. (July '46) *M*
Schmid, Theophilus, Chief San. Engr., Water Purif. Div., 3300 E. Cheltenham Pl., Chicago 49, Ill. (Apr. '26) *MP*
Schmidt, Howard D., Creole Petroleum Corp., c/o Camp Boss Office, Apdo. 172, Maracaibo, Venezuela (Apr. '36) *Fuller Award '40. Director '41–'42.*
Schmidt, Lewis A., Jr., Owner, L. A. Schmidt Jr., Engr., Chattanooga Bank Bldg., Chattanooga, Tenn. (July '45)
Schmidt, Victor R., Jr., Distr. Engr., Water Dept., Box 1160, Austin, Tex. (Oct. '47) *M*
Schmit, Joseph M., City Engr. & Water Works Supt., Box 931, Lewistown, Mont. (Apr. '26) *Director '36–'39. M*
Schmitt, Edwin A., Head Engr. & Chief, Water Supply Div., Washington Aqueduct, Washington Dist. Office, Corps of Engrs., 1st & Douglas Sts., N.W., Washington 25, D.C. (Jan. '39) *MP*
Schmitt, Herbert Clarence, Asst. Supt. of Filtration, Water Dept., City Hall, Milwaukee, Wis. (July '38) *P*
Schmitt, Richard P., San. Engr., Engr. Research & Development Lab., Fort Belvoir, Va. (July '47) *P*
Schmitz, George E., Chemist, Water Works, Wilmette, Ill. (Jr. M. Jan. '47) *P*
Schmoeller, C. C., *see* Mississippi Lime Co.
Schnabel, William R., Supt. & Engr., Bureau of Water, City Hall, Allentown, Pa. (Apr. '24) *M*
Schneider, Erland, Civ. Engr. Assoc., Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (July '48)
Schneider, H. J., Filtration Supt. & Chemist, Water Dept., 8 City Hall, Oshkosh, Wis. (June '31) *P*
Schneider, Reynolds L., Supt., Water Works, Water Dept., Mackinaw City, Mich. (July '46)
Schneider, William Harry, Chemist & Supt., Filtration Plant, Water Dept., Fremont, Ohio (Oct. '30) *MP*
Schneider, William J., Cons. Engr., Robinson, Ill. (Oct. '41) *PR*
Schneller, M. P., Sales, Aurora Pump Co., 629 Loucks St., Aurora, Ill. (July '47)
Schoenewey, G. W., Supt., Water Works, Speedway, Ind. (Apr. '44) *M*
Schoepfle, O. F., Filtration Engr., 908 Vine St., Sandusky, Ohio (May '30) *P*
Schoeppel, Walter C., Sales Repr., Worthington-Gamon Meter Co., 5907 Cheviot Rd., Cincinnati 11, Ohio (Oct. '46)
Scholl, Charles E., Supt., Water & Light Plant, 415 W. Broad St., New Castle, Ind. (Apr. '29) *M*
Scholz, Henry R., Water Registrar, Water Dept., 255 Main St., White Plains, N.Y. (Affil. Jan. '41)
Schonhardt, J. W., Supt., Water & Sewer Dept., Marshall, Tex. (Oct. '47)
Schooley, William F., *see* Merritton Water Works Dept.
Schoonmaker, George N., City Mgr. & Chief Water Works Engr., 310 Safety Bldg., Toledo 2, Ohio (Aug. '21)
Schouten, Ernest W., Dist. Mgr., Wallace & Tiernan Co., Inc., 1328 N.W. 23rd St., Oklahoma City 6, Okla. (Jan. '39) *P*
Schram, Lawrence John, Supt., Water Dept., Algonac, Mich. (Jan. '46) *MP*
Schramm, R. H., Dist. Sales Repr., James B. Clow & Sons, 815 E. Superior Ave., Cleveland 14, Ohio (July '40)
Schrewe, Erwin Werner, Civ. Engr. (Water Supply), New York City Dept. of Water Supply, Gas & Elec., Box D, Katonah, N.Y. (Oct. '45) *P*
Schroepfer, George J., Prof. of San. Eng., 123 Main Eng. Bldg., Univ. of Minnesota, Minneapolis 14, Minn. (July '43) *M*
Schubert, Max, Chemist, Water Works, Wellington, Kan. (Apr. '47)
Schudlich, H. M., Engr. of Water Service, Northern Pacific Ry. Co., 5th & Jackson Sts., St. Paul 1, Minn. (Jan. '47)

Schuhmacher, G. S., Service Engr., Los Angeles Branch, Calgon, Inc., 1807 E. Olympic Blvd., Los Angeles 21, Calif. (Oct. '42) *P*

Schulhoff, Henry B., San. Engr., 1st Army, Headquarters, Office of Engr., Governors Island, New York 4, N.Y. (Jan. '48) *MPR*

Schulte, Oscar, Supt. of Water, Water Dept., Pumping Station, Tonawanda, N.Y. (Apr. '47) *MP*

Schulz, F. W., *see* New Rochelle Water Co.

Schulze, Else L. (Miss), Tech. Librarian, The Proctor & Gamble Co., Tech. Library, M.A. & R. Bldg., Ivorydale 17, Ohio (Jan. '43) *P*

Schumpert, Homer W., Supt., Water, Light & Sewer Depts., Box 333, Newberry, S.C. (Aug. '25) *MP*

Schunke, G. B., Asst. Supt., Water Dept., 323 County-City Bldg., Seattle 4, Wash. (Jan. '29) *Director '44. M*

Schwab, Fred W., Mgr., Lakewood Water Dist., 11104 Gravelly Lake Drive, S.W., Tacoma 9, Wash. (Apr. '48)

Schwab, J. W., *see* Texas Gulf Sulphur Co., Inc.

Schwabe, Walter P., 1290 Enfield St., Thompsonville, Conn. (Nov. '14) *M*

Schwada, J. P., City Engr., Milwaukee 2, Wis. (May '24) *Fuller Award '44. Director '46–'49. P*

Schwartz, Jacob, Atty. at Law, 5 Pomona Ave., Newark 8, N.J. (Jan. '36)

Schwartz, M. H., Supt. & Gen. Mgr., Water Dept., Box 28, Vincennes, Ind. (June '29) *Director '43–'46. MPR*

Schwarz, George M., Engr., Armco Drainage & Metal Products, Inc., 985 N. Capital St., Salem, Ore. (Jan. '47)

Schweitzer, R. R., *see* Layne-Atlantic Co.

Schwier, Elmer C., Secy.-Treas. & Controller, Indianapolis Water Co., 113 Monument Circle, Indianapolis 6, Ind. (Dec. '24) *M*

Schworm, William B., Sr. Chem. Engr., Supply & Purif. Sec., St. Louis Water Div., St. Louis, Mo. (Apr. '42) *P*

Scobey, Fred C., Cons. Engr., 1063 Euclid Ave., Berkeley 8, Calif. (Jan. '32) *R*

Scott, C. A., *see* American Well Works, Inc., The

Scott, Fred, Jr., Supt., Water Works Board, Leeds, Ala. (July '48)

Scott, Guy R., Black & Veatch, Cons. Engrs., 4706 Broadway, Kansas City 2, Mo. (Oct. '37) *PR*

Scott, Harvey H., 2110 N.E. 16th Ave., Portland 12, Ore. (Jr. M. Apr. '48)

Scott. J. R., *see* Port Colborne

Scott, Joseph E., Supt., Water Dept., Village Hall, South Orange, N.J. (Jan. '37)

Scott, L. H., Sales Engr., Infilco Corp., 1221 Bryn Mawr, Orlando, Fla. (Jan. '36) *Fuller Award '40. MP*

Scott, Oswald H., *see* Belleville Public Utilities Com.

Scott, P. E., Supervisor of Utilities, City Hall, Enumclaw, Wash. (Jan. '43) *M*

Scott, Rossiter S., Cons. Water Works Engr., Dresser Mfg. Div., Dresser Industries, Inc., 122 E. 42nd St., New York 17, N.Y. (Mar. '22) *P*

Scott, W. R., Mech. Engr., Water Works, Service Div., West Point Mfg. Co., Langdale, Ala. (Oct. '47)

Scott, Walter G., *see* Inspiration Consolidated Copper Co.

Scott, Walter M., San. Engr., Westchester County Dept. of Health, County Office Bldg., White Plains, N.Y. (Apr. '38)

Scott, Walter Moffat, Chairman, Board of Comrs., Greater Winnipeg Water Dist., 185 King St., Winnipeg, Man. (Mar. '14) *Fuller Award '41.*

Scott, Warren J., Director, Bureau of San. Eng., State Dept. of Health, Hartford, Conn. (Oct. '22) *Director '41–'44. PR*

Scotto, John J., *see* Baker, R. H., Co., Inc.

Scoular, Spencer Gray, City Engr., Dunedin City Corp. of New Zealand, Town Hall, Dunedin, C.I., New Zealand (Jan. '39)

Scranton-Spring Brook Water Service Co., 135 Jefferson Ave., Scranton 3, Pa. (Corp. M. June '12)

Seabrooke, T. R., Repr., James B. Clow & Son, Water Works Dept., 201 N. Talman Ave., Chicago 80, Ill. (July '47) *MPR*

Sealy, W. E., Water Supt., City Hall, Lamesa, Tex. (Oct. '47)

Seaman, Henry, Supervisor of Water Control, The Champion Paper & Fibre Co., Canton, N.C (July '35) *MPR*

Seaman, Roy E., *see* Greeley, City of

Sears, Dow I., Borough Mgr., Water Dept., 348 High St., Pottstown, Pa. (Oct. '47)

Seattle Water Dept., W. C. Morse, Supt., 323 County-City Bldg., Seattle 4, Wash. (Corp. M. July '28) *Director '44–'47.*

Seay, J. I., Pres., Layne-Central Co., Memphis 8, Tenn. (July '38) *PR*

Secker, William M., Jr., Asst. Engr., Eng. Dept., Passaic Valley Water Com., Box 2180, Paterson 1, N.J. (Apr. '43) *M*

Seeholzer, Bert, Jr., Water Works Supplies, Box 91, Little Falls, N.J. (July '35)

Seelye, Theodore E., *see* Day & Zimmermann, Inc.

Seemann, Carl W., Gen. Foreman, Water Works Dept., 935 S.E. 5th Ave., Minneapolis 14, Minn. (Jan. '39) *M*

Seevers, Harry V., Salesman, Mueller Co., Box 123, Ottawa, Kan. (Jan. '48)

Segerstrom, Eric J., Owner, DBA-Riverbank Water Co., Riverbank, Calif. (July '37)

Seguin, City of, W. J. Miles, Mgr., Utilities Dept., City Hall, Seguin, Tex. (Corp. M. Oct. '45)

Seibert, Urban J., Supt., Water Works Dept., St. Cloud, Minn. (Oct. '31) *MP*

Seidel, Harris Forrest, Graduate Student, 5344—37th Ave., S., Minneapolis 6, Minn. (Jr. M. Jan. '46) *P*

Seidel, R. David, San. Engr., Floyd G. Browne & Assoc., Box 27, Marion, Ohio (Oct. '46)

Seidensticker, F. W., 20 N. Wacker Drive, Chicago 6, Ill. (Jan. '42) *P*

Seifert, William P., Partner, Buck, Seifert & Jost, 112 E. 19th St., New York 3, N.Y. (Jan. '36) *MPR*

Sellner, E. P., Inst. of Inter-American Affairs, c/o S.E.S.P., Caixa Postal 621, Belem, Para, Brazil (Oct. '45) *P*

Sells, G. V., Mgr., Ozark Water Co., Ozark, Ark. (Apr. '46) *M*

Sells, John H., Sr. Operator, U.S. Rubber Co., Philrich Branch, Box 2142, Borger, Tex. (Oct. '47)

Semmes, Oliver J., Jr., City Mgr., Pensacola, Fla. (Apr. '37) *M*

Sene, Otacilio P., Escola Politecnica, Praca Cel. Fernando Prestes 74, São Paulo, Brazil (July '48)

Seneca Falls Water Dept., S. W. Pratt, Supt., 136 Fall St., Seneca Falls, N.Y. (Mun. Sv. Sub. Apr. '37)

Senevey, J. D., Comr., Accts. & Collections, Water Dept., 3524 Locust St., Kansas City, Mo. (Jan. '44)

Senges, D. C., Dist. Mgr., The Permutit Co., 523 B.M.A. Bldg., Kansas City, Mo. (Jan. '39) *P*

Senior, Samuel Palmer, Pres. & Engr., Bridgeport Hydraulic Co., Bridgeport, Conn. (July '06)

Senko, Steven, Power Engr., Personal Products Corp., Van Liew Ave., Milltown, N.J. (Oct. '44) *PR*

Sensabaugh, Reeve Lee, Supt. of Water Supply, 313 Washington Ave., Muskegon 12, Mich. (Jan. '39) *P*

Senseman, Harold L., City Mgr., City Hall, Fremont, Mich. (May '27) *M*

Seran, Joe, Supt. of Filter Plant, Water Dept., Box 37, Wewoka, Okla. (Jan. '46) *MP*

Serkes, Meyer, Div. Engr., Distr. Sec., Water Div., 1640 S. Kingshighway, St. Louis, Mo. (May '26) *M*

Servel, Inc., N. E. Berry, Director of Research, Evansville, Ind. (Corp. M. Apr. '45)

Servisoft, Inc., Glenn S. Ralston, Pres., Box 1624, Rockford, Ill. (Assoc. M. Jan. '45)

Sette, Francis J., Asst. Director, Programs Div., Research & Development Board, Washington 25, D.C. (July '34) *M*

Settle, J. E., Cons. Engr., Payne Bldg., Box 1047, Charleston, W.Va. (Jan. '36)

Settle, Lester L., San. Engr., State Dept. of Health, 1043 N. Harris, Oklahoma City, Okla. (Jan. '48) *P*

Setzer, James Wilson, City Chemist, Utilities Dept., Gastonia, N.C. (Jan. '48)

Setzler, G. V., Supt. of Water & Sewers, Box 213, Saluda, S.C. (Affil. Jan. '38)

Seufer, Paul E., Lt. Comdr., 525 Guinda St., Palo Alto, Calif. (Apr. '37)

Seven-Up Co., The, B. C. Cole, Tech. Director, 1316 Delmar Blvd., St. Louis 3, Mo. (Corp. M. Jan. '45)

Sewickley Comrs. of Water Works, J. S. Besterman, Supt., Municipal Bldg., Sewickley, Pa. (Corp. M. July '35)

Sexton, Oren D., Mgr., La Cumbre Mutual Water Co., Hope Ranch, Santa Barbara, Calif. (Apr. '44) *M*

Seydel, Herman, *see* Cloroben Corp., The

Seydel, Raymond, Chemist-Bacteriologist, City Water Works, 4500 Reservoir Blvd., Minneapolis 18, Minn. (July '46)

Shaffer, Hugh C., Field Engr., Uhrich Supply Co., 110 S. Persing St., Hutchinson, Kan. (Oct. '47)

Shaffer, Phil. A., *see* Berlin Water Co.

Shakespeare, W., *see* Nova Scotia Board of Insurance Underwriters

Shaler, Richard G., 321 Summit Ave., Mill Valley, Calif. (July '42)

Shanahan, A. Martin, Pres., Shanahans, Ltd., Box 280, Vancouver, B.C. (Affil. Jan. '43) *P*

Shanaman, Fred C., Pres., Pennsylvania Salt Mfg. Co. of Washington, Box 1297, Tacoma 1, Wash. (Jan. '28) *P*

Shand, Harold, Engr., Greater Winnipeg Water Dist., 185 King St., Winnipeg, Man. (Jan. '45)

Shank, John J., Chemist & Bacteriologist, Wayne Labs., 17 E. Main St., Waynesboro, Pa. (May '30) *P*

Shannon, Albert M., Sr. San. Chemist, Detroit Dept. of Water Supply, 8300 W. Warren Ave., Dearborn, Mich. (Apr. '41) *P*

Shapiro, Maurice A., 1332 Oxford St., Berkeley 9, Calif. (Oct. '43)

Shapiro, Robert, Chemist, 159-07—14th St., Beechhurst, N.Y. (July '35)

Sharp, Clifford, San. Engr., Wyandotte County Dept. of Health, 619 Ann Ave., Kansas City, Kan. (Jan. '44) *P*

Sharp, Edwin T., Supt. of Stores, Water System, 410 Ducommun St., Los Angeles 12, Calif. (Oct. '43) *M*

Sharp, J. M., *see* Oil City Bureau of Water

Sharpe, Leslie P., Vice-Pres., Ohio Water Service Co., 235 State St., Struthers, Ohio (Apr. '43) *MP*

Sharpe, R. E., Sales Engr., Water Works Dept., Salina Supply Co., Salina, Kan. (Jan. '46)

Sharpe, Walton Kemp, Director, Div. of San. Eng., Dept. of Health & Welfare, Charlottetown, P.E.I. (Jan. '47)

Sharts, Paul E., Tech. Service Div., Wallace & Tiernan Co., Inc., 190 Orchard Pl., Ridgewood, N.J. (Jan. '47)

Shaver, Arthur, Gen. Production Mgr., Fleischmann Mfg. Div., Standard Brands, Inc., 595 Madison Ave., New York 22, N.Y. (Jan. '41) *PR*

Shaw, Arthur L., Cons. Engr., Metcalf & Eddy, 1300 Statler Bldg., Boston 16, Mass. (May '31) *P*

Shaw, Frank H., Cons. Engr., 53 N. Duke St., Lancaster, Pa. (Oct. '46) *R*

Shaw, Harry Breckenridge, Deputy Chief Engr., Washington Suburban San. Dist., Hyattsville, Md. (Apr. '23) *MP*

Shaw, Leland, Supt., City Water Works, City Hall, Baraboo, Wis. (Jan. '43) *M*

Shaw, Percy A., Supt. & Chief Engr., Water Works, Old Courthouse, Manchester, N.H. (June '34) *Director '47–'50. MPR*

Shaw, Walter A., Cons. Engr., 922 Oakwood Ave., Wilmette, Ill. (July '06) *M*

Shaw, William Edwin, Assoc., Eng. Office of Clyde C. Kennedy, 604 Mission St., San Francisco 5, Calif. (Oct. '42)

Shayler, Stanley V., City Engr., Box 642, Kimberley, B.C. (July '47)

Shea, John J., Supt., Public Works, Frankfort, N.Y. (Apr. '38)

Shea, Walter J., Chief, Div. of San. Eng., State Dept. of Health, 335 State Office Bldg., Providence, R.I. (July '41) *P*

Shearer, David H., Dist. Mgr., Indus. Div., National Gypsum Co., 102—6th St., West Radford, Va. (Jan. '47)

Shearon, J. E., Supt., Water & Light Dept., Box 524, Wynnewood, Okla. (Oct. '47)

Sheboygan Board of Water Comrs., J. Allan Hammes, Asst. Secy. & Office Mgr., City Hall, Sheboygan, Wis. (Corp. M. June '20) *M*

Shed, Joseph L., Line Supt., Western New York Water Co., 11 Niagara St., Buffalo, N.Y. (Apr. '37) *M*

Shedden, John S., Dist. Mgr., The Permutit Co., Box 248, East Orange, N.J. (Jan. '44) *P*

Sheehan, Edward D., Supt., Water Dept., City Hall, Camden, N.J. (Oct. '42)

Sheen, Robert T., Cons. Chem. Engr., 1300 E. Mermaid Ave., Philadelphia 18, Pa. (Jan. '38) *P*

Sheets, George, *see* Mead Corp., The

Sheets, Waldron D., 57 Orchard Drive, Worthington, Ohio (Oct. '47)

Sheffield Corp. Water Works, John Noel Wood, Gen. Mgr. & Engr., Water Dept., Town Hall, Sheffield, England (Corp. M. Oct. '47) *MPR*

Shelton, E. P., Mgr., Tulsa Office, Chicago Bridge & Iron Co., 1308 Hunt Bldg., 4th & Main Sts., Tulsa 3, Okla. (Apr. '44)

Shenango Valley Water Co., G. W. McConnell, Secy. & Asst. Treas., 100 Shenango Ave., Sharon, Pa. (Corp. M. Apr. '22) *M*

Shenker, Samuel, Chemist, Div. of Water, Dublin Rd., Columbus, Ohio (July '35) *P*

Shepard, Dudley R., *see* Nutley Water Dept.

Shepard, George, City Engr., St. Paul 2, Minn. (Apr. '33)

Shephard, Robert Owen, Asst. Project Engr., State Highway Dept., Meridian, Miss. (Jan. '43) *P*

Shepherd, John H., Public Works Supt., Corp. of City of Nanaimo, Drawer 8, Nanaimo, B.C. (Jan. '45)

Shepherd, Ralph, Jr. Assoc. Engr., Constr. Div., Bureau of Water Supply, 506 Municipal Office Bldg., Baltimore 2, Md. (July '42) *P*

Sherard, Ray L., Supt., Water System, Box 257, Cheyenne, Wyo. (Oct. '42) *P*

Sheridan, Mark I., Gen. Meter Foreman, Water Meter Div., Bureau of Eng., Dept. of Public Works, 3148 S. Sacramento Ave., Chicago 23, Ill. (Apr. '44) *M*

Sheridan, T. F., *see* Dixie Lime Products Co.

Sherman, Arthur L., Chief, Custody & Management Branch, War Assets Administration, Westchester Apts., Washington, D.C. (Feb. '24)

Sherman, Erie W., *see* Sherman Machine & Iron Works

Sherman Machine & Iron Works, Erie W. Sherman, Pres., 26 E. Main St., Oklahoma City 2, Okla. (Assoc. M. Jan. '40)

Sherrill-Kenwood Water Dist., J. Wayland Smith, Chairman, Kenwood, Oneida, N.Y. (Mun. Sv. Sub. Apr. '21)

Sherwani, A. Jabbar, Pakistan Govt. Scholar, c/o Embassy of Pakistan, Washington, D.C. (Jan. '48) *MPR*

Sherwood, Herbert P., Sales Engr., The Permutit Co., 407 S. Dearborn St., Chicago 5, Ill. (Apr. '38) *P*

Sherwood, Patricia (Miss), Box 897, Fort Lauderdale, Fla. (July '44)

Sherwood, William C., *see* Hersey Mfg. Co.

Shewbridge, W. H., Regional Engr., State Health Dept., 713 State Office Bldg., Richmond 19, Va. (Jan. '43) *P*

Shiddell, Edward B., Dist. Mgr., Electro Rust-Proofing Corp., Lawrence Rd., Newtown Square, Pa. (Jan. '44) *M*

Shildmyer, Frank W., Chief Clerk, Water System, Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Jan. '41)

Shillinger, William D., San. Engr., Northwestern Branch Office, State Board of Health, 55 S. Franklin St., Valparaiso, Ind. (Oct. '44) *MPR*

Shillinglaw, C. A., *see* Coca Cola Export Corp., The

Shinn, Alonza, Supt., Board of Water Comrs., Burlington, N.J. (Jan. '41) *MP*

Shirley, L. E., Partner, Harrison, Shirley & Harrison, Box 2526, Amarillo, Tex. (Oct. '47)

Shive, Harry E., *see* Smith, S. Morgan, Co.

Shnidman, Louis, Lab. Director, Rochester Gas & Elec. Corp., 89 East Ave., Rochester 4, N.Y. (Mar. '29) *P*

Shockley, Clyde A., The Shockley Eng. Co., 203 Reliance Bldg., 216 E. 10th St., Kansas City 6, Mo. (Apr. '44) *P*

Shoemaker, J. R., *see* San Dimas-Charter Oak Domestic Water Co.

Shoemaker, Milton J., Secy., Research Products Corp., 1015 E. Washington Ave., Madison 10, Wis. (May '33) *P*

Shoemaker, William C., Mgr., Richmond Water Works Corp., Richmond, Ind. (Apr. '30) *M*

Shogren, C. B., *see* Klenzade Products, Inc.

Shonerd, R. E., Chief Mech. Engr., 1006 Hall of Records, Los Angeles 12, Calif. (June '28)

Shope, Harlan Duncan, Civ. Engr., International Paper Co., Box 594, Panama City, Fla. (July '47)

Shoppee, John S. C., Mng. Director, Mollinite Water Treatment Pty., Ltd., 35–43 Rooney St., Burnley, Victoria, Australia (Jan. '43)

Shore, Jack, Asst. Supt., Beacon Mfg. Co., Swannanoa, N.C. (Jan. '43)

Short, Robert Earl, 717 Prospect Ave., Prospect Park, Pa. (Jan. '47) *R*

Shoup, Robert E., Chief Operator, Water Softening Plant, St. Marys, Ohio (July '48)

Showalter, F. L., Pres., F. L. Showalter, Inc., 1607 Allied Arts Bldg., Lynchburg, Va. (Oct. '47)

Showell, Edward B., Water & Trade Waste Consultant, Indus. Eng. Div., E. I. du Pont de Nemours & Co., Wilmington 98, Del. (Nov. '25) *PR*

Shroyer, Edward, Supt., Filter Plant, Water Dept., Fairmont, W.Va. (Jan. '45)

Shuff, Evans L., Owner, Evans L. Shuff & Assoc., 303 Five Ivy St. Bldg., Atlanta, Ga. (Apr. '38) *P*

Shuldener, Henry L., Pres. & Tech. Director, Water Service Labs., Inc., 423 W. 126th St., New York 27, N.Y. (May '30) *P*

Shull, Albert B., 10799 Sherman Grove Ave., Sunland, Calif. (Apr. '33) *P*

Shull, Kenneth Edgar, Chief Chemist & Supt. of Purif., Philadelphia Suburban Water Co., 762 Lancaster Ave., Bryn Mawr, Pa. (Jan. '38) *P*

Shultz, Clifton S., Supt., Water Dept., Sebastopol, Calif. (Apr. '47) *M*

Shultz, Robert H., Pres., Shultz & James, Inc., 7 N. 6th St., Richmond 19, Va. (Jan. '47)

Sichler, Vance A., 6527—37th Ave., S.W., Seattle 6, Wash. (Apr. '44) *P*

Siebert, Harry J., Sales Engr., Neptune Meter Co., 254 Spring St., N.W., Atlanta, Ga. (July '45)

Siebert, M. J., Sales Repr., Neptune Meter Co., 3319 Suffolk Rd., Richmond 22, Va. (July '41)

Siebold, Arthur H., Collector of Accts., Water Dept., 2953 Mayfield Rd., City Hall, Cleveland Heights 18, Ohio (July '43) *M*

Siegmund, Rudolph A., Capt., Corps of Engrs., U.S. Army, Avon, Conn. (Apr. '39) *MP*

Sieker, Fred W., Supt., Water Dept., Yates Center, Kan. (Oct. '39) *M*

Siems, Norman E., Sales Service Chemist, Philadelphia Quartz Co., Public Ledger Bldg., Philadelphia 6, Pa. (Apr. '48)

Sierra Pacific Power Co., William A. Totman, Water & Gas Supt., Reno, Nev. (Corp. M. Feb. '13)

Sieveka, Ernest H., Chem. Lab., Iowa Ordnance Plant, Center Junction, Iowa (Apr. '42)

Sigler, Clark & Winston, Cons. Engrs., S. C. Clark, Box 428, Weslaco, Tex. (Corp. M. Oct. '46) *MPR*

Signor, C. V., Water Supt., Water Com., City Hall, Grants Pass, Ore. (Apr. '36) *MP*

Sigworth, E. A., Chemist & Technician, Industrial Chemical Sales Div., West Virginia Pulp & Paper Co., 230 Park Ave., New York 17, N.Y. (Jan. '37) *P*

Sikkenga, Bernard T., Supt., Water Works Dept., La Grange, Ind. (July '48) *M*

Silberbauer, Walter R., Supt., Campbell Water Co., Box 788, Campbell, Calif. (Oct. '43) *M*

Silcox, H. E., Asst. Engr., Water Supply, Chesapeake & Ohio Ry. Co., 702—1st National Bank Bldg., Richmond 10, Va. (Jan. '42) *PR*

Siler City, Town of, W. O. Mann, Supt. of Water Dept., Siler City, N.C. (Corp. M. Oct. '42) *M*

Sill, George H., *see* Bird-Archer Co.
Sillence, Henry William, Supt., Owasco Water Works, 2 Bristol Ave., Auburn, N.Y. (Apr. '47) *MP*
Sillers, Russell Verne, Water Plant Supt., Water Dept., Box 141, Huntsville, Tex. (Jan. '47)
Sills, T. O., *see* Concord Board of Light & Water Comrs.
Siloam Springs, City of, J. E. George, City Engr., Siloam Springs, Ark. (Corp. M. Apr. '47) *MP*
Silver City Water Dept., S. C. Gibson, Supt., Box 597, Silver City, N.M. (Corp. M. Oct. '41)
Silver Creek Water Works, J. K. Brotz, Supt., Central Ave., Silver Creek, N.Y. (Mun. Sv. Sub. Apr. '37)
Silver, Ralph R., Business Mgr. of Journal, Southeastern Sec. A.W.W.A., 310 Protective Life Bldg., Birmingham 3, Ala. (July '35) *MP*
Silverstone, I. J., Designing Engr., Knappen Tippetts Abbett Eng. Co., 122–20 Boardwalk, Rockaway Park, N.Y. (Jan. '46) *P*
Simcoe Public Utilities Com., G. E. Maxwell, Supt., Water Works Dept., Simcoe, Ont. (Corp. M. Apr. '29)
Simmer, Frank E., *see* Simmer, H., & Co.
Simmer, H., & Co., Frank E. Simmer, Owner & Mgr., 3948 N. Lowell Ave., Chicago 41, Ill. (Assoc. M. July '47)
Simmermacher, S. C., Chief of Power Plants, Div. of Water & Heat, 611 Auditorium Bldg., Cleveland 14, Ohio (Jan. '42) *M*
Simmonds, Ian G., Asst. Chem. Engr., Ontario Dept. of Health, San. Eng. Div., 807 Richmond St., W., Toronto, Ont. (July '45)
Simmonds, M. A., Resident Analyst, Brisbane City Council, Mt. Crosby, via Ipswich, Queensland, Australia (July '37)
Simmons, Edward E., Jr., Research Engr., Rheem Mfg. Co., 455 S. Oakland Ave., Pasadena 5, Calif. (Jan. '47)
Simmons, Frank, Supt., Water Works, Russellville, Ky. (Apr. '38) *MP*
Simmons, Harry A., Supt., Water Dept., Board of Water & Light Comrs., Le Roy, N.Y. (July '47) *M*
Simmons, John G., Plant Supervisor, West Palm Beach Water Co., Box 1311, West Palm Beach, Fla. (Jan. '47) *P*
Simmons, Paul D., Chemist, Quality Control Bldg., Weirton Steel Co., Weirton, W.Va. (Oct. '38) *MP*
Simms, R. B., Supt., Water Works, Spartanburg, S.C. (May '22) *MP*
Simon, Carl J., Cons. Engr., Carl J. Simon & Assoc., 116½ E. Main St., Van Wert, Ohio (Jan. '46) *MPR*
Simons, R. E., *see* Centralia City Water Dept.
Simonton, L. R., Supt. of Filtration, Light, Water & Sewerage Dept., Griffin, Ga. (Apr. '34) *P*
Simplex Valve & Meter Co., Everett M. Jones, Vice-Pres. & Gen. Mgr., 6759 Upland St., Philadelphia 42, Pa. (Assoc. M. May '14)
Simpson, Clyde W., Gen. Mgr., Water Works Supply Co., 149 W. 2nd St., Salt Lake City, Utah (Apr. '48)
Simpson, Rolland W., San. Engr., Gilbert Assoc., Inc., 412 Washington St., Reading, Pa. (Jan. '46) *P*
Sims, S. P., Sr., Water Supt., Woodville, Tex. (Oct. '46)
Sinclair, Harold, Vice-Pres., Turbine Equipment Co., 75 West St., New York 6, N.Y. (Apr. '30)
Singapore, Muncipality of, Water Dept., F. G. Hill, Engr., Municipal Bldg., Singapore, Straits Settlement (Corp. M. Apr. '48)
Singer, Oscar C., Dist. Engr., State Dept. of Health, Dist. Office, 902 Adams St., Toledo 2, Ohio (July '44) *P*
Sioux Falls Water Dept., George W. Elmen, Water Comr., City Hall, Sioux Falls, S.D. (Corp. M. May '27) *M*
Sisler, Harry H., Cons. Engr., Kirkland, Wash. (Apr. '43)
Sitler, W. S., San. Engr., 15 N. Highland St., Arlington, Va. (Jan. '46)
Skibbe, Henry E., Salesman, James B. Clow & Sons, 51 E. New York Ave., Oshkosh, Wis. (Oct. '45)
Skillman, Harold R., Supt., Water Dept., Warrenton, N.C. (Jan. '46) *MP*
Skinker, Thomas J., Water Comr., Water Div., Dept. of Public Utilities, 312 City Hall, St. Louis 3, Mo. (July '24) *Director '31–'32. Fuller Award '48. MPR*
Skinner, Hervey J., Pres., Skinner & Sherman, Inc., 246 Stuart St., Boston 16, Mass. (Apr. '26) *P*
Skinner, John Franklin, 1610 Idlewood Rd., Glendale 2, Calif. (May '27) *PR*
Skinner, M. B., Co., F. R. McMurray, Vice-Pres.—Sales, South Bend, Ind. (Assoc. M. Jan. '41)
Skinner, Robert A., Office Engr., Metropolitan Water Dist. of Southern California, 306 W. 3rd St., Los Angeles 13, Calif. (Apr. '43) *MP*
Skyrius, Walter M., Sales Repr., Johns-Manville Sales Corp., 819 Lincoln St., Waukegan, Ill. (Jan. '47)
Slagle, Emil C., Public Health Engr., Special Services Sec., State Dept. of Health, Minneapolis 14, Minn. (Jan. '46) *MP*
Slater, E. O., Pres., Smith-Emery Co., 920 Santee St., Los Angeles 15, Calif. (Apr. '22) *P*

Slater, L. N., Pres., Consolidated Western Steel Corp. [Los Angeles], 5717 Santa Fe Ave., Los Angeles 54, Calif. (Sept. '31)

Slattery, Patrick J., Design-Pump Eng. Dept., Ingersoll-Rand Co., Ltd., 98 McManamy St., Sherbrooke, Que. (July '48)

Slazas, Tony, Supt., Water System, 318 W. Main St., Westville, Ill. (July '42)

Slee, Robert W., 2526 S. 2nd Ave., Arcadia, Calif. (Jan. '38) *M*

Sleeper, Benjamin A., Civ. Engr. & Surveyor, 501 Cooper St., Camden, N.J. (Dec. '30)

Sloan, Garrett, San. Engr., Whitman, Requardt & Assoc., 1304 St. Paul St., Baltimore 2, Md. (Apr. '42) *PR*

Sloan, H. F., Asst. Sales Mgr., Cliffs Dow Chemical Co., Marquette, Mich. (Jan. '43) *P*

Slusser, M. F., *see* Westinghouse Elec Corp.

Small, Leon, Water Engr., Bureau of Water Supply, 500 Municipal Bldg., Baltimore 2, Md. (Jan. '36) *Fuller Award '48. M*

Small, Sidney S., Western Dist. Mgr., Worthington-Gamon Meter Co., 5075 Santa Fe Ave., Los Angeles 11, Calif. (July '35) *M*

Smalley, Russell C., Supt., Water Dept., 411 Raritan Ave., Highland Park, N.J. (Jan. '39) *M*

Smallwood, Charles, Jr., Teaching Fellow, San. Eng., Harvard Graduate School of Eng., 112 Pierce Hall, Cambridge 38, Mass. (Jr. M. Jan. '46) *P*

Smedberg, C. W., Box 1382, Atlanta 1, Ga. (Dec. '22) *Director '31–'34. MP*

Smith, A. P., Mfg. Co., The, Hubert F. O'Brien, Pres., 545 N. Arlington Ave., East Orange, N.J. (Assoc. M. June '97)

Smith, Arnold R., Asst. Engr., Malcolm Pirnie Engrs., 25 W. 43rd St., New York 18, N.Y. (July '48)

Smith, B. Alden, Partner, Smith & Loveless, 6748 Antioch Rd., Merriam, Kan. (Apr. '46)

Smith, Benjamin L., Cons. Engr., Benjamin L. Smith & Assoc., 11 N. Pearl St., Albany 7, N.Y. (June '30) *P*

Smith, Bijah G., City Engr. & Water Supt., Camas, Wash. (Apr. '36)

Smith, Carlos C., *see* Gonzales City Utilities

Smith, Cecil R., Chief Chemist, Industrial Rayon Corp., Covington, Va. (Jan. '48) *P*

Smith, Chester A., 6200 Belleair, North Hollywood, Calif. (Sept. '24) *P*

Smith, Clarence L., *see* National Container Corp.

Smith, David Barry, Partner, C. H. Overman & Assoc., 21 W. Government St., Pensacola, Fla. (Jan. '46) *M*

Smith, Delbert D., Gen. Mgr., Montecito County Water Dist., 583 San Ysidro Rd., Santa Barbara, Calif. (Apr. '30)

Smith, Donald R., City Supt., Davison, Mich. (Oct. '47)

Smith, E. Vernon, Supt., Elec. & Water Depts., 53 Park Ave., Park Ridge, N.J. (Dec. '30) *MP*

Smith, Earl W., Supt., Water Works, 119 N. 7th St., Upper Sandusky, Ohio (Oct. '47) *MPR*

Smith, Edward E., Gen. Supt., Dept. of Water & Sewage Treatment, 119 W. High St., Lima, Ohio (July '35) *MP*

Smith, Edwin F., Dist. Mgr., Layne-Western Co., Box 3776, St. Louis 22, Mo. (Apr. '41) *MR*

Smith, Egmont S., Neptune Meter Co., 2014 Commerce St., Dallas 1, Tex. (Oct. '34) *Director '35–'36. Fuller Award '43. MP*

Smith, Elmer, Gen. Supt., Munic. Utilities, Box 780, Owensboro, Ky. (Apr. '39) *MP*

Smith, Elmer Lewis, Prin. Engr., Water Dept., 319 City Hall, Pasadena 1, Calif. (Oct. '45) *R*

Smith, Emmett A., Pres., Southern Heater Co., Inc., 844 Baronne St., New Orleans 13, La. (Apr. '43)

Smith, Eugene N., *see* Wichita, City of

Smith, F. Burton, Florida Utilities Corp., Winter Park, Fla. (July '43)

Smith, F. D., Mgr., Water Co., Booneville, Ark. (Oct. '45)

Smith, Frank G., *see* American Brass Co.

Smith, George L., Sales Mgr., George L. Smith & Co., 1313 N. Water St., Milwaukee 2, Wis. (Oct. '45) *P*

Smith, George R., Pres., Charles H. Sells, Inc., 15 Washington Ave., Pleasantville, N.Y. (Apr. '48)

Smith, Guilford V., Sr. Engr., Johns Hopkins Univ., 8713—2nd Ave., Silver Spring, Md. (Jan. '43) *P*

Smith, H. Sidwell, Partner, Stanley Eng. Co., Cons. Engrs., Hershey Bldg., Muscatine, Iowa (Jan. '46) *MPR*

Smith, Hal F., Sr. Admin. Asst., Dept. of Water Supply, Water Board Bldg., 735 Randolph St., Detroit 26, Mich. (June '29) *Diven Medal '39. Fuller Award '39. M*

Smith, Harold E., Supt., City Water Board, Adrian, Mich. (July '46)

Smith, Harold T., Pres., Harold T. Smith, Inc., Apdo. 630, Quito, Ecuador (July '38) *R*

Smith, Harry E., *see* Olean Water Dept.

Smith, Ivan M. K., *see* Chatham, Borough of

Smith, J. F., Sales Mgr., Great Western Div., Dow Chemical Co., 310 Sansome St., San Francisco 4, Calif. (Dec. '31) *P*

Smith, J. L., San. Engr., War Dept., Kansas Ordnance Plant, Parsons, Kan. (Jan. '48) *MP*

Smith, J. Wayland, *see* Sherrill-Kenwood Water Dist.

Smith, Jack F., Engr.-Mgr., Dallas County Park Cities Water Control & Improvement Dist. No. 2, 4700 Drexel Drive, Dallas 5, Tex. (Jan. '48) *M*

Smith, L. W., *see* Community Public Service Co. [Cameron]

Smith, Leon Albert, Supt., Water Works & Sewerage, City Hall, Madison 3, Wis. (May '16) *Director '30–'32, '34–'37. Fuller Award '39. M*

Smith, Lewis B., Supt., Water Div., 10 Felix St., Rochester 6, N.Y. (Apr. '41) *M*

Smith, Louie D., Official, Village of Brockport, 37 Market St., Brockport, N.Y. (Apr. '44)

Smith, Louis P., Pres. & Gen. Mgr., The Farnan Brass Works Co., Box 6147, Cleveland 1, Ohio (July '38)

Smith, M. C., Chief Engr., Dept. of Public Utilities, 317 City Hall, Richmond 19, Va. (May '25) *Director '37–'40. Fuller Award '40. MP*

Smith, M. R., Jr., City Mgr., Lubbock, Tex. (Oct. '47)

Smith, Meloy, Cons. Engr., Smith & Fitzpatrick, 43 E. Main St., Rochester 4, N.Y. (Mar. '34) *MP*

Smith, Murray M., City Engr. & Water Supt., Village Hall, Grosse Pointe Farms, Mich. (Oct. '47)

Smith, Norman F., Vice-Pres., International Water Co., Apdo. 630, Quito, Ecuador (July '38)

Smith, Orville J., *see* Quincy Water Works Com.

Smith, Otto M., Prof. & Head of Chemistry & Chem. Eng. Depts., Oklahoma A & M College, Stillwater, Okla. (Feb. '28) *P*

Smith, Philip W., Field Supt., Dept. of Water & Power, Box 152, Van Nuys, Calif. (Oct. '43) *M*

Smith, R. Beverstock (Mrs.), Vice-Pres. & Treas., The Farnan Brass Works Co., Box 6147, Cleveland 1, Ohio (July '38)

Smith, Raymond C., Installation Supervisor, Omega Machine Co., 1636 N. Merrimac Ave., Chicago, Ill. (July '47)

Smith, Robert James, Mgr. & Secy.-Treas., Public Utilities Com., Box 550, Perth, Ont. (June '11) *MPR*

Smith, Robert Trumbull, Asst. Div. Mgr., Wallace & Tiernan Sales Corp., 917 Terminal Sales Bldg., Seattle 1, Wash. (July '30) *P*

Smith, S. Morgan, Co., Harry E. Shive, Mgr., Valve Div., York, Pa. (Assoc. M. Mar. '34)

Smith, Spencer B., Distr. Supervisor, Water Div., 402 City Hall, Tacoma, Wash. (Apr. '41)

Smith, Sydney H., Supt., Board of Public Works, 89 Clinton St., South Haven, Mich. (July '41) *M*

Smith, Talbert E., Member of Firm, Burford, Hall & Smith, 140 Edgewood Ave., Atlanta 3, Ga. (July '35) *P*

Smith, Telford L., *see* Smith-Blair, Inc.

Smith, Vernon, Mng. Director, John Thompson-Australia-Pty., Ltd., 312 Flinders St., Melbourne, Australia (Jan. '35)

Smith, Virgil D., Supt., Light & Water Dept., 213 E. Foothill Blvd., Azusa, Calif. (Oct. '42)

Smith, W. Austin, Partner, Smith & Gillespie, Engrs., Box 1048, Jacksonville 1, Fla. (Dec. '26) *MPR*

Smith, W. Douglas, Salesman, Jos. W. Eshelman & Co., Inc., 314 Wilder Bldg., Charlotte 2, N.C. (Apr. '41) *P*

Smith, W. E., Dist. Mgr., Wallace & Tiernan Co., Inc., 415 Brainard St., Detroit 1, Mich. (Jan. '38) *P*

Smith, W. P., *see* Baker Dept. of Water, Fire & Sanitation

Smith, W. T., Supt., Water Dept., 1629 Irving St., Muskogee, Okla. (Jan. '47)

Smith, Warren, Supt., Water Works Utility, Washburn, Wis. (Apr. '47)

Smith, Waymon, Water Works Supt., Marshall Field & Co., Spray, N.C. (Jan. '39)

Smith, Willard W., Supt., Water & Sewers, Barnesville, Ohio (Jan. '48)

Smith, William F., *see* Uniondale Water Dist.

Smith Falls Water Com., J. P. Henniger, Chairman, Smith Falls, Ont. (Corp. M. Jan. '47)

Smith-Blair, Inc., Telford L. Smith, Pres., Box 205, South San Francisco, Calif. (Assoc. M. July '41)

Smith-Douglass Co., O. J. McColl, Engr., Box 419, Norfolk 1, Va. (Corp. M. July '47) *P*

Smithrim, E. R., *see* Trenton, Ont., Public Utility Com. of

Smithson, Thomas, Cons. & Design San. Engr., Route 2, Box 277, Beaverton, Ore. (Apr. '40) *MPR*

Smolenski, Alexander, *see* Hamtramck Water Dept.

Smolinski, R. C., Water Supt., The Washington Water Power Co., 609 Main St., Lewiston, Idaho (Apr. '46)

Smouse, John P., Director, Div. of Indus. Hygiene, Bureau of San. Eng., State Dept. of Health, Oklahoma City 3, Okla. (June '31) *MPR*

Smucker, John M., Supt., Huntingdon Boro Water Works, 512 Washington St., Huntingdon, Pa. (July '48)

Smyre, R. E., *see* Hickory, City of
Snead, W. Ben, Asst. Sales Mgr., Lynchburg Foundry Co., Lynchburg, Va. (Jan. '39)
Snear, Earl F., *see* Media, Borough of
Snedeker, L. LeVern, City Chemist, Dept. of Public Works, Water & Sewage, 150 S. McKenzie St., Adrian, Mich. (May '30) *P*
Snider, Walter A., Jr. Service Engr., Infilco, Inc., 2817 N.W. 14th St., Oklahoma City, Okla. (Jan. '47)
Snidow, Herman W., Sr. Asst. Engr., State Board of Health, Richmond, Va. (June '26)
Snook, James A., Jr., California Sales Mgr., Rusta Restor Corp., 967 Russ Bldg., San Francisco, Calif. (Oct. '41) *M*
Snow, Barton S., Pres., T. W. Snow Construction Co., 9 S. Clinton St., Chicago 6, Ill. (June '30) *R*
Snow, Bayard F., USACA, War Dept., APO 777, New York, N.Y. (Apr. '36)
Snow, Donald L., San. Engr., U.S. Public Health Service, c/o Pan American San. Bureau, 2001 Connecticut Ave., Washington 8, D.C. (Jan. '46) *MPR*
Snow, James A., Mgr., Water Utility, Ashland, Wis. (July '35) *MPR*
Snow, John L., Dist. Engr., Layne-Central Co., 601 First National Bank Bldg., Montgomery 4, Ala. (Apr. '44)
Snow, William Brewster, Assoc. Prof. of Civ. Eng., College of Eng., Duke Univ., Durham, N.C. (Jan. '46) *P*
Snyder, Irving G., Eastern Dist. Mgr., Culligan Zeolite Co., 122 E. 42nd St., New York 17, N.Y. (Apr. '48)
Snyder, Leonard L., Chief Engr., Service Valves, 1449 S. San Pedro, Los Angeles 15, Calif. (Apr. '44)
Snyder, Morris Kay, Town Engr., Sequim, Wash. (Nov. '28) *MPR*
Snyder, R. H., Resident Engr., The Chester Engrs., 1809 W. 9th St., Erie, Pa. (July '43) *MP*
Snyder, Robert F., Mgr., Toms River Water Co., Pine St., Cranmoor Manor, Toms River, N.J. (Jan. '37) *P*
Socha, Max K., Engr. of Water Distr., Dept. of Water & Power, 410 Ducommun St., Los Angeles 12, Calif. (Feb. '33) *MR*
Socony-Vacuum Oil Co., Lubrite Refinery, John W. Borders, Mgr., Steam & Water Dept., 20th & I.C. Tracks, East St. Louis, Ill. (Corp. M. Jan. '46)
Soden, E. M., Supt., Public Utilities Com., Huntsville, Ont. (Jan. '41)
Soder, Darwin R., Dist. Mgr., Layne-Western Co., 807 Central Bldg., Wichita 2, Kan. (Apr. '46)
Soderstrom, C. W., *see* Illinois Inspection Bureau
Soehnel, Edward J., *see* Fontana Ranchos Water Co.
Soffe, B. F., Dist. Mgr., Liquid Conditioning Corp., Free Press Bldg., Detroit 26, Mich. (Apr. '44) *P*
Sohle, Frederick Victor, Southwest Sales Mgr., R. D. Wood Co., 711 Construction Bldg., Dallas 1, Tex. (Oct. '42)
Solleder, Albert L., 288—15th Ave., Columbus 1, Ohio (July '41)
Solomon, C. H., City Engr. & Water Dept. Supt., 206 Kickapoo St., Hiawatha, Kan. (Jan. '46)
Solvay Sales Div., Allied Chemical & Dye Corp., J. V. Stauf, Vice-Pres., 40 Rector St., New York 6, N.Y. (Assoc. M. Jan. '36)
Somers, Verne A., Supt., Water & Sewage Utilities, 219 N. 3rd St., Stevens Point, Wis. (May '38) *M*
Sonderegger, A. L., Cons. Engr., 925 Central Bldg., Los Angeles 14, Calif. (Mar. '33) *PR*
Sopp, George C., Meter & Service Supt., Dept. of Water & Power, 410 Ducommun St., Los Angeles 12, Calif. (Apr. '36) *Fuller Award '45. M*
Sorbel, J. L., Dist. Engr., State Board of Health, 820 Quincy St., Rapid City, S.D. (Jan. '47) *MP*
Sorenson, Ivan J., Supervisor, Water Dept., Superior Water, Light & Power Co., 1230 Tower Ave., Superior, Wis. (July '44) *P*
Sorsoli, Arthur, Sorsoli Water Co., Crescent Mills, Calif. (Oct. '45)
Souder, Byron N., Designer, Black & Veatch, Cons. Engrs., 4706 Broadway, Kansas City 2, Mo. (Jan. '43) *MPR*
Sours, William B., Gen. Mgr., Sours Engrs., Chatham, Va. (July '46)
Sousa, Philip J., Comr. of Public Works, Water Dept., City Hall, Santa Cruz, Calif. (Oct. '43)
Souter, E. S., *see* Mountain Water Co.
South Boston, Town of, Z. M. Wilborn, Water Supt., South Boston, Va. (Corp. M. Apr. '45)
South Gate, City of, Water Dept., Dan S. Miller, City Engr., 8650 California Ave., South Gate, Calif. (Corp. M. Jan. '46) *MR*
South Jersey Assn. of Water Supts., Walter Spencer, Secy., 2707 Bethel Ave., Merchantville, N.J. (Corp. M. Apr. '31) *MPR*
South Pasadena, City of, D. H. Dollison, Water Supt., 1420 Mission St., South Pasadena, Calif. (Corp. M. Oct. '43)
South Penn Oil Co., Eng. Dept., Water & Gas Div., Herman J. Little, Chem. Engr., 54 Boylston St., Bradford, Pa. (Corp. M. Jan. '45) *PR*
Southern Alkali Corp., E. M. Rollins Jr., Southern Sales Mgr., 414 Tower Petroleum Bldg., Dallas, Tex. (Assoc. M. July '38)

Southern California Water Co., C. P. Harnish, Pres., Bendix Bldg., Los Angeles 15, Calif. (Corp. M. June '29) *MPR*

Southern Pipe & Casing Co., Douglas A. Stromsoe, Vice-Pres., Box C, Azusa, Calif. (Assoc. M. Jan. '42)

Sowden, Howard J., *see* Fergus Falls Water & Light Dept.

Spaeder, Harold J., c/o The Dorr Co., William-Oliver Bldg., Atlanta 3, Ga. (Oct. '46) *P*

Spafford, H. A., Prin. San. Engr., Div. of San. Eng., State Dept. of Public Health, Capitol Bldg., Springfield, Ill. (Oct. '38) *P*

Spalding, George R., San. Engr., Hackensack Water Co., New Milford, N.J. (June '26) *Fuller Award '41. MP*

Sparks, B. N., *see* Tupper Lake Munic. Water System

Sparks, George H., City Engr., City Hall, East Point, Ga. (July '35)

Sparks, W. H., *see* Kamloops, City of

Sparling, R. W., R. W. Sparling, Owner, 945–51 N. Main St., Los Angeles 54, Calif. (Assoc. M. Nov. '25)

Sparling, Ray C., Owner, Irrigation Meters & Valves, 123 S. Front St., Burbank, Calif. (Oct. '39) *P*

Spaulding, Arthur B., *see* Keasbey & Mattison Co.

Spaulding, C. A., Jr., *see* Refinite Corp., The

Spaulding, Charles H., Box 83, Springfield, Ill. (July '24) *Goodell Prize '33. Fuller Award '40.*

Spaulding, Leon H., *see* Federal Pipe & Tank Co.

Specht, James Edward, Supt., Munic. Utilities, 1115 Perry St., Orrville, Ohio (Apr. '40) *MPR*

Spector, A. B., Atty.-at-Law, Armstrong & Spector, 905 Title & Trust Bldg., Phoenix, Ariz. (Jan. '48) *MR*

Speer, Ralph E., City Engr., City Hall, Iron Mountain, Mich. (July '47) *M*

Speiden, H. W., Head, Dept. of Civ. Eng., West Virginia Univ., Morgantown, W.Va. (July '35) *P*

Speir, William D., Foreman in Charge, Water Distr. Dept., Water Dept., Utilities Bldg., Jacksonville 2, Fla. (Jan. '47) *MPR*

Speir, William J., Repr., 127 N. 8th, Pocatello, Idaho (Apr. '46)

Spencer, C. R., *see* Lynchburg Foundry Co.

Spencer, Harold, Water Works Foreman, Elec. & Water Dept., Marshfield, Wis. (July '44)

Spencer, W. R., Prof. of Civ. Eng., Univ. of Arkansas, Fayetteville, Ark. (Oct. '39) *P*

Spencer, Walter, *see* South Jersey Assn. of Water Supts.

Sperry, S. M., Chief Chemist, Gilbert Assoc., Inc., 412 Washington St., Reading, Pa. (July '35) *P*

Sperry, Walter A., Supt., San. Dist., Box 241, Aurora, Ill. (Dec. '14) *MP*

Speyer, Elwin G., Comr. of Public Works, Dept. of Public Works, 502 City Hall, Buffalo 2, N.Y. (Jan. '46)

Spicer, Clifford H., Owner, Spicer Eng. Co., 404½ Court St., Saginaw, Mich. (Jan. '48) *PR*

Spiegel, Milton, *see* Chicago Pump Co.

Spieker, Roy G., Mgr., Scott Eng. Co., Inc., 135 N. Phillips Ave., Sioux Falls, S.D. (Jan. '47) *P*

Spies, Kenneth H., Assoc. San. Engr., State San. Authority, 1617 N.E. 65th Ave., Portland 13, Ore. (Jan. '43) *P*

Spindler, H. A., Supt., Water Dept., City Bldg., Marietta, Ohio (Oct. '45) *M*

Spitz, Benjamin J., Gen. Atty. & Counsel, Passaic Valley Water Com., 137 Ellison St., Paterson 1, N.J. (Oct. '43) *M*

Spokane, City of, Elmo James, Supt., Water Div., 303 City Hall, Spokane, Wash. (Corp. M. Apr. '12)

Spokane Utility Supplies Co., Frank B. Miller, Pres. & Mgr., E. 5315 Union Ave., Spokane, Wash. (Assoc. M. Jan. '48)

Spradley, J. W., *see* M & H Valve & Fittings Co.

Spraker, W. F., 12017 Pacoima Court, North Hollywood, Calif. (Jan. '48) *M*

Sprangel, Bert, Supt., City of Claremore, Claremore, Okla. (Jan. '47)

Sprigman, Charles J., Asst. to Chief Chemist, Paulsboro Refinery, Socony-Vacuum Oil Co., Inc., Paulsboro, N.J. (Oct. '47) *P*

Springer, H. E., Supt., Water & Light Dept., Box 215, Chisholm, Minn. (Oct. '45)

Springfield City Water, Light & Power Dept., John H. Hunter, Comr. of Public Property, City Hall, Springfield, Ill. (Corp. M. May '30)

Spurgeon, Ralph, Supt., Water Works, Ligonier, Ind. (Apr. '42)

Squire, A. Bradford, Mng. Partner, William S. Lozier Co., 10 Gibbs St., Rochester 4, N.Y. (Jan. '44) *PR*

Squires, Seymour, Secy.-Controller, Water Dept., 250 Meadow St., Naugatuck, Conn. (July '48)

Stach, Otto R., *see* Carborundum Co.

Stack, John P., Gen. Supt., City Light & Water Works, 308 N. 5th St., Goshen 2, Ind. (Apr. '42) *M*

Stalbird, James A., Dist. San. Engr., State Dept. of Health, Paul Smith Bldg., Saranac Lake, N.Y. (Apr. '25) *P*

Staley, H. H., Partner, Staley & Maier, Cons. Engrs., 3226 Milburn, Houston 4, Tex. (July '38)

Stalker, W. D., Mgr., Public Utilities Com., 58 Peel St., Simcoe, Ont. (Jan. '41) *M*

Standard Brands, Inc., Marvin H. Rasmusson, Tech. Advisor, Fleischmann Div., Peekskill Mfg. Branch, Peekskill, N.Y. (Corp. M. Apr. '47) *P*

Stanfield, H. O., Supt., Water Works Dept., Box 332, Matador, Tex. (Jan. '46) *M*

Stang, Edward R., Dist. Supt., Southern California Water Co., 2211½ S. Del Mar Ave., Wilmar, Calif. (Jan. '45) *MP*

Stanger, W. H., Mgr., Munic. Water Dist., 1510 Cravens Ave., Torrance, Calif. (Oct. '37) *M*

Stankewich, M. J., *see* Erie County Dept. of Health

Stanley, C. M., Cons. Engr., Stanley Eng. Co., Box 731, Muscatine, Iowa (Sept. '32) *P*

Stanley, Donald R., Provincial San. Engr., Alberta Dept. of Health, Administration Bldg., Edmonton, Alta. (Jan. '47)

Stanley, I. J., Jr., *see* Monsanto Chemical Co.

Stanley, J. A., Jr., 2522 Ave. H, Lubbock, Tex. (Jan. '46) *MP*

Stanley, J. Garland, Asst. Supt., Water Dept., 1010 N. Walnut Ave., Alliance, Ohio (July '43) *MP*

Stanley, William E., Prof. of San. Eng., Massachusetts Inst. of Technology, Cambridge 39, Mass. (Nov. '20) *P*

Stannard Power Equipment Co., H. V. Bowlby, 53 W. Jackson Blvd., Chicago 4, Ill. (Assoc. M. Jan. '38)

Stansmore, Keith C., The Dorr Co., 570 Lexington Ave., New York 22, N.Y. (July '47)

Stanton, C. H., *see* Orlando Public Utilities Com.

Stapf, Roland J., San. Engr., State Board of Health, Pierre, S.D. (Jan. '48)

Stapleton, John E., *see* Auburn Water Dept.

Stapley, Edward R., Dean of Eng., Oklahoma A & M College, 27 College Circle, Stillwater, Okla. (July '37) *Fuller Award '42. MPR*

Starcke, Max, *see* Lower Colorado River Authority

Starkey, Fred, Chief Engr., Caro State Hospital, R.R. 2, Caro, Mich. (Affil. July '42)

Starling, Charles H., Southeast Dist. Engr., Infilco, Inc., Decatur, Ga. (July '38) *P*

Starnes, Tom M., Southern Sales Mgr., American Cast Iron Pipe Co., Box 2603, Birmingham 2, Ala. (July '35) *MPR*

Statesville City Water Dept., J. A. Stewart, Supt., Statesville, N.C. (Corp. M. Oct. '40) *M*

Stathas, P. P., Partner-Engr., Duff & Phelps, 208 S. La Salle St., Chicago 4, Ill. (July '41) *M*

Staub, William S., Engr., West Virginia Water Service Co., 814 Peoples Bank Bldg., Charleston, W.Va. (July '34)

Stauf, J. V., *see* Solvay Sales Corp.

Stauff, Paul V., City Chemist, Park Hotel, Eveleth, Minn. (Jan. '34) *P*

Stauffer, Howard L., Production Supt., Southern California Water Co., 4102 Beck Ave., Bell, Calif. (Apr. '43) *MP*

Stauffer Mfg. Co., G. W. Adams, Secy.-Treas., 8424 Otis St., South Gate, Calif. (Assoc. M. Jan. '47)

Staunton, City of, W. Guy Ancell, City Mgr., Staunton, Va. (Corp. M. Oct. '43)

Stava, William, Sr. Utilities Engr., California Public Utilities Com., 536 State Bldg., San Francisco 2, Calif. (May '27) *MR*

Staven, Julian, Cons. Engr., Box 508, Rapid City, S.D. (Jan. '47)

Stead, Frank M., *see* California Dept. of Public Health

Stearns, Donald E., Prof. of Civ. Eng., Syracuse Univ., Syracuse 10, N.Y. (July '45) *R*

Stearns, Harrington P., 81 Carman Ave., Cedarhurst, N.Y. (Jan. '14)

Stearns, K. P., *see* Koppers Co., Inc.

Stearns, Max A., Mgr., Kokomo Water Works Co., 209 W. Walnut St., Kokomo, Ind. (Jan. '41)

Steeg, Henry B.; Partner, Henry B. Steeg & Assoc., 2331 N. Meridian St., Indianapolis 8, Ind. (July '47)

Steel, Ernest W., Cons. Engr., Instituto Nacional de Obras Sanitarias, Piso 3, Edificio Las Mercedes, Caracas, Venezuela (Apr. '47) *P*

Steel, Kenneth A., Service Engr., Industrial Chemical Sales Div., West Virginia Pulp & Paper Co., 35 E. Wacker Drive, Chicago, Ill. (Jan. '47) *P*

Steel Protection & Chemical Co., Inc., L. R. Rogers, Pres., Mooresville, Ind. (Assoc. M. Apr. '39)

Steele, B. P., *see* Pennsylvania Salt Mfg. Co.

Steelman, Elmer S., Mgr., Ocean City Water Service Co., 10th St. & West Ave., Ocean City, N.J. (July '29)

Steenson, H. D., Secy., Water Works, Plano, Tex. (Oct. '39)

Steenson, Sam M., City. Engr. & Water Works Operator, Water Dept., Plano, Tex. (Apr. '43)

Steffen, Alfred Joseph, San. Engr., Research & Tech. Div., Wilson & Co., 4100 S. Ashland Ave., Chicago 9, Ill. (July '42) *PR*

Stegeman, Paul, *see* Midland Water Dept.

Stehling, John F., Supt., Water Dist., Locust Valley, N.Y. (July '35)
Steib, F. L., Gen. Mgr., Water Works & Lighting Com., Wisconsin Rapids, Wis. (Jan. '42)
Steindorf, Robert T., *see* Chain Belt Co.
Steinford, Christian, *see* Hammermill Paper Co.
Steinman, R. W., Supt., Water Dept., Beggs, Okla. (Jan. '48)
Stellingworth, David J., Supt. of Water Supply, Water Dept., Jackson, Mich. (Oct. '46) *M*
Stenger, John N., Engr., Water Dept., 3208 N. 21st Ave., Tacoma, Wash. (Apr. '40)
Stephan, Dean E., Mgr., Los Angeles Office, Chicago Bridge & Iron Co., 608 S. Hill St., Los Angeles 14, Calif. (Apr. '45)
Stephanoff, I., Sr. Lab. Asst., Water Purif. Div., South Dist. Filtration Plant, 3242 E. 79th St., Chicago 49, Ill. (Jan. '43) *P*
Stephens, Felton, 904 W. St. Johns Ave., Austin, Tex. (Jan. '44) *M*
Stephens, George William, Jr., Sr. Assoc., George William Stephens Jr. & Assoc., 5 McCurdy Ave., Towson 4, Md. (July '42)
Stephens, James H., Director, Div. of San. Eng., State Board of Health, Wade Hampton Office Bldg., Columbia, S.C. (Jan. '46) *P*
Stephens, Uel, Director, Water Dept., Box 870, Fort Worth 1, Tex. (Jan. '43) *M*
Stephenson, Clyde T., Chief Engr., State Hospital, Box 476, Jamestown, N.D. (Oct. '43)
Stephenson, James H., Chief Engr., Water Purif. Div., Meigs Water Co., Middleport, Ohio (Oct. '47) *P*
Stephenson, Robert J., Asst. San. Engr., Dept. of National Health & Welfare, 321 Federal Bldg., Vancouver, B.C. (Jan. '45) *MP*
Sterling, City of, H. M. Krull, City Clerk, Box 590, Sterling, Colo. (Corp. M. Jan. '39)
Sterling Water Dept., F. G. Forwalder, Mayor-Comr., Sterling, Kan. (Corp. M. July '46)
Sterling, Marion T., Supt., Filter Plant, Water Dept., Wenatchee, Wash. (Jan. '44) *P*
Stern, Sollis E., Supt., Frankfort City Water Co., Frankfort, Ind. (May '33) *M*
Sterns, Edward A., Supt., Water Dept., 24 Union St., Hamburg, N.Y. (Apr. '37) *Fuller Award '38. P*
Steven, James, Jr., Southern Repr., Elmira Steel Co. of Brooklyn, N.Y., 7226 S.W. 53rd Ave., Miami 43, Fla. (Apr. '43)
Stevens, Charles S., Hydr. Engr., State Board of Water Engrs., 302 W. 15th St., Austin, Tex. (July '48)
Stevens, H. Chester, Tech. Director, Bird-Archer Co., 400 Madison Ave., New York 17, N.Y. (July '43) *P*
Stevenson, Albert H., San. Engr., U.S. Public Health Service, Water & San. Investigations, E. 3rd & Kilgour Sts., Cincinnati 2, Ohio (Jan. '40) *PR*
Stevenson, Ralph A., Cons. Chemist, 641 Gibbons St., Los Angeles 31, Calif. (Sept. '27) *P*
Steward, W. R., Supt., White County Water Co., Searcy, Ark. (Jan. '42)
Stewart, C. V., Water Comr., 201 S. Main St., West Point, Neb. (July '46)
Stewart, Charles M., Supt., Water Dept., Bradford, Pa. (July '35) *MPR*
Stewart, Elon P., *see* Syracuse Dept. of Eng.
Stewart, F. D., Asst. Chief Engr., State Dept. of Health, State Office Bldg., Columbus, Ohio (July '44) *PR*
Stewart, Fredrick Choate, Cons. Engr., 1007 Dominion Bank Bldg., Vancouver, B.C. (Jan. '45) *MPR*
Stewart, H. P., *see* Stuttgart Munic. Water Works
Stewart, J. A., *see* Statesville City Water Dept.
Stewart, J. P., *see* De Laval Steam Turbine Co.
Stewart, M. A., *see* Toronto Dept. of Works
Stewart, M. B., Supt., Water Dept., Shinnston, W.Va. (Oct. '46)
Stewart, M. T., Mgr., Rockwood Water Co., 768 Grandview Ave., Rockwood, Pa. (Jan. '39) *M*
Stewart, Marion G., Supt., Water Works, Box 143, Natchez, Miss. (Feb. '32) *M*
Stewart, Melbourne G., Sr. Asst. Civ. Engr., Dept. of Water Supply, 709 Water Board Bldg., Detroit, Mich. (July '40)
Stewart, Morgan E., Asst. San. Engr., Dept. of Public Health, 1163 Laurel St., Berkeley 8, Calif. (Jan. '44) *P*
Stewart, Neil G., Water Works Engr., Dept. of Works, Toronto, Ont. (May '33)
Stewart, Orville J., Supt. & Gen. Mgr., Dept. of Water Works, 3 S. Indiana St., Greencastle, Ind. (Jan. '38)
Stewart, Spencer D., Proprietor & Mgr., Consolidated Water Co., 240 E. Van Buren, Phoenix, Ariz. (July '47)
Stewart, William M., Owner, Soft Water Service, 227—3rd St., N.E., Canton 2, Ohio (Apr. '45)
Stewart, Wilson, *see* Jones, John Wiley, Co.
Stibbe, E. H., *see* Peshtigo Water Dept.
Stickney, E. M., *see* Mobile Water Works Dept.

Stiemke, Robert E., Prof. of San. Eng., Dept. of Civ. Eng., Pennsylvania State College, State College, Pa. (Oct. '42) *MPR*

Stiles, Arthur B., *see* Owego Water Works

Stillman, A. K., Civ. Engr., 201 Chambers Bldg., Olympia, Wash. (Jan. '48) *MPR*

Stillwell, Howard L., 244 Cottage Pl., Charlotte, N.C. (Jan. '39)

Stilson, Alden E., Chairman, Alden E. Stilson & Assoc., Ltd., 209 S. High St., Columbus, Ohio (July '44) *MPR*

Stilwell, Neil C., Soft Water Service, 219 W. Sycamore St., Kokomo, Ind. (Jan. '46) *P*

Stimmel, R. M., Supt., Water Service, New York, Chicago & St. Louis R.R., Lima, Ohio (Apr. '30) *PR*

Stimpson, Theodore E., *see* Brunswick & Topsham Water Dist.

Stinson, E. J. L., Pres., *Daily Commercial News & Building Record,* 34 St. Patrick St., Toronto 2B, Ont. (Apr. '42)

Stitt, L. W., Jr., Vice-Pres., Watermasters, Inc., 948 M & M Bldg., Houston 2, Tex. (Jan. '46) *P*

Stoakesberry, Roy R., Operator, Water Works, Bloomfield, Iowa (Jan. '47)

Stock, Harry, Civ. Engr., 46th Ave., N.E., & Marshall St., R. 8, Box 352, Minneapolis 18, Minn. (Jan. '39)

Stockman, R. L., Dist. Engr., State Health Dept., 1412 Smith Tower, Seattle 4, Wash. (Oct. '47)

Stockner, L. J., Supt. of Filtration, Galax, Va. (Oct. '34)

Stockton, R. L., Mgr.-Owner, Arvin Water Co., Box 333, Arvin, Calif. (Jan. '47)

Stockwell, Henry P., Jr., Asst. Water Works Engr., City Water Works Dept., 48 Rideau St., Ottawa, Ont. (Jan. '33) *MP*

Stoddard, R. D., Vice-Pres., Joseph G. Pollard Co., Inc., New Hyde Park, N.Y. (Jan. '46)

Stokes, D. Birney, Vice-Pres. in Charge of Sales, U.S. Pipe & Foundry Co., Burlington, N.J. (Oct. '35)

Stokes, W. F., Supt., Board of Water Comrs., Hendersonville, N.C. (Jan. '47) *M*

Stokvis, R. S., & Sons, Inc., George R. Woods, Pres., 17 Battery Pl., New York 4, N.Y. (Assoc. M. Jan. '42)

Stolk, Juan F., Gen. Mgr., Comp. Anonima de Estudios y Const. Agro. Pecuarias, "Riego," Esquina Miracielos, Caracas, Venezuela (Jan. '36)

Stolp, A. L., Gen. Mgr., California Water Service Co., 365 "B" St., San Mateo, Calif. (Jan. '46)

Stolp, Amer C., Dist. Mgr., Northern Dist., California Water Service Co., Box 1109, Marysville, Calif. (Nov. '33)

Stoltenberg, Howard A., Prin. Chemist, Div. of Sanitation, State Board of Health, 2 Marvin Hall, Univ. of Kansas, Lawrence, Kan. (Jan. '48)

Stone, Ralph, San. Engr., UN World Health Organization, 106 Whangpoo Rd., Shanghai, China (Oct. '44) *P*

Stone, Robert R., Supt. & Engr., Elizabethtown Water Co., Cons., 22 W. Jersey St., Elizabeth 4, N.J. (Jan. '39) *MPR*

Stone, Wyman R., 98 Maple St., Athol, Mass. (Jan. '38)

Storey, Alva Theron, Chem. Technician, Water Works, 1210 Hemphill Ave., N.W., Atlanta, Ga. (Jan. '44) *P*

Storm, E. W., Supt., Water & Elec. Depts., Utility Com., Algoma, Wis. (Oct. '40) *M*

Storms, Thompson A., Western Repr., R. D. Wood Co., 155 N. Clark St., Chicago, Ill. (Mar. '34)

Storrie, William, Partner, Gore & Storrie, Cons. Engrs., 1130 Bay St., Toronto 5, Ont. (Mar. '15) *Fuller Award '44. MP*

Story, O. F., Chief Engr., Portsmouth Water Dept., 105 Maury Pl., Suffolk, Va. (Oct. '42) *MP*

Stothoff, W. Luther, Pres., W. Stothoff Co., Inc., Flemington, N.J. (Jan. '42)

Stott, Roy, Mgr., Light & Water Dept., Greenwood, Miss. (July '38) *MP*

Stouder, E. H., Operator & Supt. of Water Plant, Board of Public Affairs, Batavia, Ohio (Oct. '40) *MP*

Stover, Frederick H., Col., SnC, AUS, 2722 Hollywood Terrace, Louisville, Ky. (June '12) *P*

Stowe, Joe C., Supt., Hamlet Water Co., Hamlet, N.C. (Apr. '43) *MP*

Stradling, F. P., Mgr., Bristol County Water Co., Bristol, R.I. (Dec. '24)

Strang, John A., Div. Mgr., Wallace & Tiernan Sales Corp., 506 Dwight Bldg., Kansas City 6, Mo. (Feb. '23) *P*

Strange, Forrest Rupert, Mgr., Water Works Board, City Hall, Fort Payne, Ala. (Jan. '48) *MPR*

Strange, I. R., Mayor, Box 183, Hot Springs, Mont. (Affil. July '47)

Strassburger, Gerard L., Supt., Borough Water Treatment Plant, Butler, N.J. (Apr. '47) *MPR*

Strasser, Reinhard J., Mgr. & Partner, R. J. Strasser Drilling Co., 8110 S.E. Sunset Lane, Portland 6, Ore. (Jan. '39) *R*

Strathroy Public Utilities Com., A. E. Ditchburn, Mgr., Strathroy, Ont. (Corp. M. Feb. '32)

Stratton, Robert D., 129 Melbourne Terrace, Waterbury 47, Conn. (July '45)

Straub, Conrad P., San. Engr., U.S. Public Health Service, Water & San. Investigations, E. 3rd & Kilgour Sts., Cincinnati 2, Ohio (Jan. '40) *PR*

Streander, Philip B., Cons. San. Engr., Philip B. Streander & Affil., 120 Tremont St., Boston 8, Mass. (Dec. '23) *MP*

Street, Haskell R., Chemist & Asst. Plant Supt., Water & Sewer Dept., 3112 Aurora St., El Paso, Tex. (Oct. '45) *MP*

Street, J. C., *see* Welland Board of Water Comrs.

Streeter, Harold W., San. Engr. Director (Retired), U.S. Public Health Service, Box 192, R.R. 1, Cincinnati 27, Ohio (Apr. '15)

Streeter, Robert L., Cons. Engr., Munic. & Indus. Eng., Box 2010, Casper, Wyo. (Apr. '37)

Streicher, Lee, Chief Chemist, Metropolitan Water Dist., 545 Cloverleaf Way, Monrovia, Calif. (Oct. '43) *MP*

Strenge, Karl O., Jr., Civ. Engr., Ebasco Services, Inc., 2 Rector St., New York 6, N.Y. (Oct. '45) *R*

Strickland, George Hudson, Supt., Filtration Div., Utilities Com., 607 Canada Bldg., Windsor, Ont. (Mar. '29) *MP*

Strickland, L. E., Meter Dept., 401 E. Wright, Marshall, Tex. (Oct. '47)

Striger, R. M., San. Engr., Feemster & Striger, 517 S. Spring St., Tupelo, Miss. (Oct. '45)

Strock, B. F. (Mrs.), Owner, Ben Ali Water Co., 2271 Pyramid Way, Bellview Village, Sacramento 15, Calif. (Jan. '47) *M*

Strockbine, Walter, Philmont Ave. & Sterner Rd., R.F.D. No. 3, Langhorne, Pa. (June '27) *P*

Strodthoff, G. J., *see* Lakewood Water & Power Co.

Strohmeyer, Joseph S., Deputy Water Engr., Bureau of Water Supply, Dept. of Public Works, 507 Municipal Bldg., Baltimore 2, Md. (May '22) *MR*

Stromsoe, Douglas A., *see* Southern Pipe & Casing Co.

Stromsta, Ronald A., Chemist, Filtration Plant, 1666 Montague Ave., Muskegon, Mich. (Oct. '46)

Strother, Bryant L., Water Purif. Supervisor, Spruance Works, E. I. duPont de Nemours & Co., Richmond 24, Va. (Jan. '35) *P*

Struve, J. W., *see* Rich Mfg. Co. of California

Stryker, Floyd R., Pres., Stryker Soft Water Service Co., 201 N. Saddle Creek Rd., Omaha 3, Neb. (Jan. '48)

Stuart Corp., Fred E. Stuart, Pres., 516 N. Charles St., Baltimore 1, Md. (Assoc. M. Jan. '37)

Stuart, Charles L., Mgr., Vandergrift Water Co., 311 N. 2nd St., Apollo, Pa. (Jan. '40) *M*

Stuart, Fred E., Pres., Stuart Corp., 516 N. Charles St., Baltimore 1, Md. (Oct. '31) *P*

Studebaker, Leo, Chemist, Water Works Dept., 5941 Calumet, Hammond, Ind. (Apr. '48)

Stufflebean, John H., Chief Assoc. Engr., Blanton & Cole, 73 N. Court St., Tucson, Ariz. (July '48)

Sturgeon, Myron A., Civ. Engr., 2115 Kimball Terrace, Norfolk, Va. (July '47)

Sturman, James M., Mgr., Still Sales Div., Cleaver Brooks Co., 326 E. Keefe Ave., Milwaukee 12, Wis. (July '48)

Sturtevant, F. L., Supt., Yucaipa Water Co. No. 1, Yucaipa, Calif. (Oct. '46)

Stuttgart Munic. Water Works, H. P. Stewart, Mgr., Stuttgart, Ark. (Corp. M. Apr. '43)

Stutts, K. V., Operating Engr., Water Works, Box 1172, McCamey, Tex. (Apr. '43) *P*

Stutz, Clifford N., 5061 Cottonwood Lane, Holladay, Utah (July '35) *P*

Suburban Water Co. (San Francisco), Henry Cartan, Pres., 58 Sutter St., San Francisco, Calif. (Corp. M. Oct. '37)

Sucre, Andres, National Inst. of San. Works, Oeste 7, No. 50, Caracas, Venezuela (Jan. '48)

Sudhoff, Robert R., San. Engr., Box 291, New Albany, Ind. (Jan. '43) *MP*

Sulentic, S. A., Cons. Engr., 33 New England Bldg., Topeka, Kan. (Apr. '46)

Sullivan, Charles W., Dist. Mgr., Electro Rust-Proofing Corp., Warner Apts., Crescent City, Fla. (July '47) *R*

Sullivan, Daniel M., Deputy Comr., Public Works Dept., 607 City Hall Annex, Boston 8, Mass. (July '41) *M*

Sullivan, David N., Sales Repr., Electro Rust-Proofing Corp., 1314 Piedmont Ave., N.E., Atlanta, Ga. (July '48)

Sullivan, George C., 626 Gist Ave., Silver Spring, Md. (Oct. '43) *MP*

Sullivan, J. R., Mgr., Public Utilities Com., 524 Dundas St., Woodstock, Ont. (Jan. '42) *M*

Summers, W. G., Supervisor, Munic. Water Works, McMechen, W.Va. (Apr. '48)

Sunroc Refrigeration Co., Harold G. Lacy, Glen Riddle, Pa. (Assoc. M. Oct. '45)

Susanke, M. P., Engr., Indiana Inspection Bureau, Chamber of Commerce Bldg., Indianapolis, Ind. (July '44)

Sussman, Sidney, Chief Chemist, Liquid Conditioning Corp., 114 E. Price St., Linden, N.J. (Jan. '45) *P*

Sutcliffe, H. W., Pres., Sutcliffe Co., Ltd., New Liskeard, Ont. (July '35)

Suter, Max, Head, Eng. Research Subdiv., State Water Survey, 62 Chemical Bldg., Urbana, Ill. (May '33) *R*

Suter, Russell, Cons. Engr., 114 S. Lake Ave., Albany 3, N.Y. (Oct. '14) *R*

Suters, Frank, Dist. Mgr., California Water Service Co., 102 N. California, Stockton, Calif. (Oct. '37) *M*

Sutherland, Ben C., *see* Pomona Terra-Cotta Co.

Sutherland, Kenneth, Lab. Asst., Australian Paper Mfg., Ltd., 11 Central Ave., Ivanhoe, N21, Victoria, Australia (Jr. M. Jan. '46)

Sutherland, Lois (Miss), *see* Paducah Water Works

Sutherland, Oscar, Supt., Water Dept., Box 473, Sioux City 3, Iowa (June '27)

Sutton, Stanley H., Asst. Engr., Havens & Emerson, Cons. Engrs., 1140 Leader Bldg., Cleveland, Ohio (Jan. '46) *P*

Svaty, Karl J., City Engr., Hiawatha, Kan. (Apr. '48)

Svenkeson, S. K., Supt. of Public Works, Minot, N.D. (Oct. '44) *MP*

Svenson, A. E., Director, Whittier Extension Water Co., 616 Los Altos Drive, Puente, Calif. (July '46)

Svore, Jerome H., Director, Div. of San. Eng., State Dept. of Health, Bismarck, N.D. (July '43) *P*

Swab, Bernal H., 3438 Wyckcliffe Pkwy., Toledo 6, Ohio (Mar. '30) *P*

Swab, Richard K., Civ. Engr., Jones & Henry, 821 Security Bldg., Toledo 2, Ohio (Jan. '48) *P*

Swales, Gordon Marr, Deputy Engr., East Surrey Water Co., Redhill, Surrey, England (Jan. '46)

Swan, Donald O., Head, Petroleum Tech. Service Dept., Esso Standard Oil Co., Box 551, Baton Rouge, La. (Jan. '47) *PR*

Swanger, G. F., Chemist, Munic. Water Plant, Shelby, Ohio (Oct. '47)

Swanson, C. A., Supt., Water & Power Dept., Russell Mfg. Co., Box 129, Alexander City, Ala. (Oct. '44)

Swanson, Herbert S., Structural Eng. Assoc., Design Div., Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Oct. '34) *M*

Swanson, J. L., Water Purif. Supt., 2238 —18th St., Port Arthur, Tex. (Oct. '39)

Swanson, Joe, Supt., City Water Dept., Sierra Madre, Calif. (July '42) *M*

Swanson, Owen Stiener, Supt., Munic. Light & Water Plant, Manton, Mich. (Jan. '48) *M*

Swanson, Walter H., Repr., Waterous Co., 80 E. Fillmore Ave., St. Paul 1, Minn. (Jan. '47)

Swartz, A. C., Secy.-Mgr., Newport Heights, Irrigation Dist., 116 E. 18th St., Costa Mesa, Calif. (Oct. '46) *M*

Swartz, Louis H., Supt., Water Dept., 24800 Jefferson Ave., St. Clair Shores, Mich. (Apr. '44) *M*

Swartz, Martin, Supt., Utilities Com., Greenville, N.C. (Dec. '24) *MP*

Swartz, Roy E., Supt. of Carbon Plant, West Virginia Pulp & Paper Co., Covington, Va. (Jan. '46) *P*

Swartz, W. E., *see* Preston Light & Water Com.

Swearingen, C. V., Chief Chemist, City Water Co., Chattanooga 3, Tenn. (Jan. '24) *P*

Sweeney, R. E., New England Sales Agent, U.S. Pipe & Foundry Co., 250 Stuart St., Boston 16, Mass (July '39) *P*

Sweeney, Stanley, Acting City Engr., City Hall, Pensacola, Fla. (July '45)

Sweet, F. L., *see* Cathodic Rust Proofing Co.

Sweitzer, Robert J., Distr. Engr., American Water Works Co., Inc., 50 Broad St., New York 4, N.Y. (Jan. '46) *PR*

Swen, George A., Dist. Mgr., The Permutit Co., 124 W. 6th St., Los Angeles 14, Calif. (July '48)

Swift, Howard Newman, Asst. Dist. Engr., Board of Fire Underwriters of the Pacific, 1011 Fidelity Bldg., 548 S. Spring St., Los Angeles 13, Calif. (Oct. '44) *MR*

Swindell, William H., Office Engr., William F. Freeman Engrs., Inc., High Point, N.C. (Jan. '48)

Swingley, Ralph L., Chief Acct. & Asst. Secy., Indianapolis Water Co., 113 Monument Circle, Indianapolis 6, Ind. (Jan. '40) *M*

Swinney, Guy H., Chief Chlorine Plant Operator, Bureau of Water Works & Supply, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Oct. '37)

Swope, H. Gladys (Miss), Chief Chemist, Allegheny County San. Authority Lab., 4501 Centre Ave., Pittsburgh 13, Pa. (Jan. '44)

Sydney Water Dept., Murray F. Cossitt, City Engr., 428 Atlantic St., Sydney, N.S. (Corp. M. Jan. '48) *MR*

Sydnor, Garland S., *see* East Coast Water Co.

Sydow, William, Cons. Engr., 2376 S.W. 21st St., Miami 35, Fla. (July '38) *MPR*

Sylvester, Robert Ohrum, Asst. Prof. of Civ. Eng., More Hall, Univ. of Washington, Seattle 5, Wash. (Jan. '46) *PR*

Syme, Jack, Water Works Supt., Almonte, Ont. (Jan. '48)

Symonds, Allen M., Div. Mgr., Water Utilities Service Corp., 114 Elm St., Millbury, Mass. (July '40) *M*

Symons, George E., Assoc. Editor, *Water & Sewage Works,* Gillette Publishing Co., 155 E. 44th St., New York 17, N.Y. (Jan. '32) *MPR*

Synan, John F., Mathieson Chemical Corp., 613 Rhode Island Hospital Trust Bldg., Providence 3, R.I. (Jan. '45) *P*

Syracuse Dept. of Eng., Elon P. Stewart, Div. Engr. of Water, 419 City Hall, Syracuse 2, N.Y. (Corp. M. Jan. '23) *Fuller Award '39. M*

Szabo, A. J., Regional Engr., State Dept. of Health, Box 1870, Monroe, La. (Apr. '48)

Taber, George A., Pres., Pennell, Dearborn & Hovey, Inc., 1000 N. Main St., Reading, Mass. (June '12) *M*

Tagco, Inc., Theodore A. Gallucci, Pres., Box 441, Hempstead, N.Y. (Assoc. M. Apr. '48)

Taggart, Robert S., 14 Girard Pl., Maplewood, N.J. (Apr. '37) *P*

Tait, Robert S., 827 California St., Santa Cruz, Calif. (Oct. '25)

Tait, William, Mgr., Public Utilities, Picton, Ont. (Apr. '34) *M*

Taladay, J. H., Supt., Water Dept., Worthington, Ohio (July '43)

Talbot, Earle, Medfield, Mass. (May '20)

Talcott, Frank, Chemist & Bacteriologist, Jersey City Water Dept., 520 Washington St., Boonton, N.J. (Apr. '48)

Talcott, George Russell, Asst. Engr., Bureau of San. Eng., State Dept. of Health, State Office Bldg., Richmond 19, Va. (Jan. '46)

Tallant, Lee H., Supt. of Works, Estes Park, Colo. (Apr. '30)

Tallon, T. V., Supt., Dominguez Water Corp., 21718 S. Alameda St., Long Beach 10, Calif. (Jan. '43) *M*

Tamer, Paul, Chief Chemist, Hackensack Water Co., New Milford, N.J. (Jan. '39) *P*

Tanghe, Edward F., Asst. Supt., Water Works, City Hall, Milwaukee, Wis. (Apr. '47) *M*

Tangney, Frank P., Repr., Pittsburgh Equitable Meter Div., 19 W. Thomas St., Seattle 99, Wash. (July '35)

Tank, Earl, Village Engr., Almont, Mich. (July '42)

Tankard, Ernest E., Supt., Water Works, 276 Prospect St., Berlin, N.H. (Jan. '42)

Tanner, Clair D., *see* Holland Water Dist. No. 1

Tanner, John Raymond, Water Supply Engr., Holmes, O'Brien & Gere, Cons. Engrs., 204 E. Jefferson St., Syracuse 2, N.Y. (Oct. '39) *P*

Tanner, William S., 715½—10th St., Modesto, Calif. (Jan. '45) *MPR*

Tarbell, W. P., City Engr. & Director of Public Works, Box 185, Fargo, N.D. (Feb. '28) *R*

Tarlton, Ellis Alvord, City Chemist, Water Dept., Margerie Filtration Plant, Danbury, Conn. (Apr. '39) *P*

Tarr, Earle A., Supt., Water Dist., Winthrop, Me. (Apr. '43) *M*

Tarr, Jesse, Chemist in Charge of Filtration, Water Dept., 806 Main St., Wellsville, Ohio (Oct. '39) *P*

Tarrant, Joseph, Research & Designing Engr., Sunnyside, 14 King's College Rd., Ruislip, Middlesex, England (Oct. '44)

Tarrant, William J., Chemist, Water Works, Ezra Rust Drive, Saginaw, Mich. (Oct. '47) *P*

Tassie, Gilbert C., Cons. Engr., Vernon News Bldg., 2906—32nd St., Vernon, B.C. (Oct. '38)

Tate, Guy M., Jr., Director, Bureau of Sanitation, Jefferson County Health Dept., Box 2591, Birmingham, Ala. (Oct. '39)

Tate, H. L., Sr. Operator, Redlands City Water Dept., Mentone, Calif. (Oct. '38)

Tate Pipe Linings, Inc., 47 Haverhill St., Andover, Mass. (Assoc. M. Jan. '38)

Tate, R. H., Gen. Supt., Jacksboro, Tex. (Apr. '43)

Tatlock, M. W., San. Engr.-Partner, Ralph L. Woolpert Co., Cons. Engrs., 360 W. 1st St., Dayton 2, Ohio (Mar. '28) *MPR*

Tatnall, George, Engr., National Board of Fire Underwriters, 222 W. Adams St., Chicago 6, Ill. (Feb. '30) *M*

Tatum, R. L., Cons. Engr., 1842 Line Ave., Shreveport 11, La. (Oct. '45)

Taub, Edward S., Cons. Engr., 161 E. 32nd St., New York 16, N.Y. (Apr. '48)

Taulman, W. D., W. D. Taulman & Assoc., 452 Spring St., N.W., Atlanta, Ga. (July '35)

Tavistock Public Utilities Com., Harry Hitzeroth, Chairman, Tavistock, Ont. (Corp. M. July '41)

Tawney, Albert M., Assoc. San. Engr., 2nd Army, Office of Post Engr., Fort George G. Meade, Md. (July '35) *P*

Taylor, C. E., Supt. of Utilities, Ellis, Kan. (Oct. '34) *M*

Taylor, C. M., Supt., Water & Sewers, 130 East St., Oneonta, N.Y. (July '48)

Taylor, Charles Henry, Salesman, Neptune Meters, Ltd., 1430 Lake Shore Rd., Long Branch, Ont. (Jan. '45) *MPR*

Taylor, D. C., Office Mgr., Utilities Com., Water Div., 606 Canada Bldg., Windsor, Ont. (Jan. '35) *M*

Taylor, D. R., Gen. Mgr., Baton Rouge Water Works Co., Drawer 2391, Baton Rouge, La. (Sept. '33) *Fuller Award '42. M*

Taylor, Elbert J., Chief, Bureau of Water, Dept. of Public Works, 801 City Hall Annex, Philadelphia 7, Pa. (Apr. '42) *P*

Taylor, Floyd B., Sr. Asst. San. Engr., U.S. Public Health Service, 15 Pine St., New York 5, N.Y. (July '39)

Taylor, Frank S., Filtration Engr., Water Dept., Municipal Bldg., Oklahoma City 2, Okla. (Apr. '41) *MP*

Taylor, George R., Chemist & Bacteriologist, Scranton-Spring Brook Water Service Co., 135 Jefferson Ave., Scranton 3, Pa. (May '08) *P*

Taylor, Harold D., Supt., Water Treatment Plant, Ontario, Ore. (Apr. '48)

Taylor, Harold G., Dist. Mgr., The Permutit Co., 1111 Nicollet Ave., Minneapolis 2, Minn. (Jan. '44) *P*

Taylor, Harry, Civ. Engr., Dept. of Water Supply, Gas & Elec., 605 Municipal Bldg., Brooklyn, N.Y. (July '44)

Taylor, Henry W., Cons. Engr., 11 Park Pl., New York 7, N.Y. (Jan. '48)

Taylor, John F., *see* Pinehurst, Inc.

Taylor, Joseph S., 97 Kingsman Rd., Boothwyn, Pa. (Jan. '46) *P*

Taylor, Orville W., 1648 Lincoln Way, E., Mishawaka, Ind. (Oct. '46)

Taylor, R. V., Supt., Philadelphia Utilities, 232 Byrd Ave., Philadelphia, Miss. (Jan. '46)

Taylor, Robert L., Hydr. Engr., U.S. Geological Survey, Ocala, Fla. (Jan. '45) *P*

Taylor, Roy A., Gen. Partner, The Layne-Texas Co., Ltd., 6419 Maple Ave., Dallas 9, Tex. (Oct. '39) *R*

Taylor, Samuel S., Bacteriologist-Chemist, Water Dept., 110 South St., Morristown, N.J. (July '45) *P*

Taylor, W. C., *see* Linton Munic. Water Co.

Taylor, Warren C., Prof. of Civ. Eng., Union College, Schenectady 8, N.Y. (Oct. '24) *P*

Taylor Forge & Pipe Works, H. S. Grassman, Advisory Engr., Box 485, Chicago 90, Ill. (Assoc. M. July '48)

Teague, Robert Leslie, Repr., Sales Dept., American Cast Iron Pipe Co., 904 Citizens State Bank Bldg., Houston 2, Tex. (Oct. '45) *MPR*

Teal, D. C., San. Engr., Water Supply Dept., Chesapeake & Ohio Ry. Co., General Offices, Richmond 10, Va. (Apr. '46) *P*

Technical Assn. Pulp & Paper Industry, Lewis B. Miller, Assoc. Prof., Dept. of Chem. Eng., Univ. of Cincinnati, Cincinnati 21, Ohio (Corp. M. Apr. '41) *PR*

Teck, Township of, F. G. Browne, Engr., Water Works Dept., Kirkland Lake, Ont. (Corp. M. Feb. '32) *MP*

Teckoe, John Edward, Jr., Gen. Mgr., Public Utilities Com., 62 Dickson St., Galt, Ont. (Apr. '47) *MR*

Teece, Carleton P., Supt. of Pumping, Pumping & Generating Station, Passaic Valley Water Com., 137–39 Ellison St., Paterson, N.J. (Oct. '43) *PR*

Teed, R. H., *see* Hot Springs Munic. Water System

Teeter, Robert Henry, Chemist, Duke Power Co., Steam Div., Riverbend Station, Box 338, Mount Holly, N.C. (Affil. Jan. '48) *P*

Telfair, John S., Jr., San. Engr., State Board of Health, 2751 Herschell St., Jacksonville 5, Fla. (July '48)

Teller, C. F., McCormick & Teller, Cons. Engrs., 2711 Grant St., Houston 6, Tex. (Jan. '48)

Tello M., Carlos A., Civ. Engr., Carrera 6a–2–116, Cali, Colombia (Jan. '48)

Tempest, W. F., 33 W. Grand Ave., Chicago 10, Ill. (Jan. '47) *MR*

Tennessee Eastman Corp., John Callan, Supt., Power Div., Kingsport, Tenn. (Corp. M. Jan. '39) *MPR*

Tenny, M. K., Asst. to Gen. Mgr., Water Works, 1003 Locust St., Des Moines 7, Iowa (Feb. '27) *MP*

Terminal City Iron Works, Ltd., Oscar R. Olson, Gen. Mgr., 1909 Franklin St., Vancouver, B.C. (Assoc. M. Apr. '47)

Ternent, A., Water Comr., 83 De Forest Rd., Swansea, Ont. (Apr. '43)

Terry, Bert L., Village Mgr., Shoshone, Idaho (Apr. '44) *MPR*

Tesmer, A. W., *see* Reynolds Metal Co.

Tetzlaff, Frank, Chief, Eng. Div., Communicable Disease Center, U.S. Public Health Service, 605 Volunteer Bldg., Atlanta, Ga. (Jan. '36) *P*

Texas Gulf Sulphur Co., Inc., J. W. Schwab, Assay Office, Newgulf, Tex. (Corp. M. Jan. '42) *PR*

Texas & Pacific Ry. Co., The, H. L. McMullin, Engr., Water Supply, 1003 T & P Bldg., Dallas, Tex. (Corp. M. Apr. '46) *PR*

Texas Water Co., J. K. Alewine, Vice-Pres., 112 Baurline St., Fort Worth 11, Tex. (Corp. M. Jan. '42) *MR*

Thain, Andrew E., Water Dept., Box 52, Neosho, Mo. (Oct. '47)

Thalheimer, Marce, Mgr., Water Works, E. Pearl St., Batesville, Ind. (Jan. '45) *M*

Thane, H. S., Mgr., Valley Water Co., Hamilton, Mont. (Apr. '26) *Director '42–'45. M*

Thatcher, Lynn M., *see* Utah State Dept. of Health

Thayer, Neal B., *see* Jonesboro Water & Light Plant

Theiss, Walter O., Water Plant Operator & Foreman, Water Dept., City Hall, 137 S. Kirkwood Rd., Kirkwood, Mo. (Apr. '44) *MP*

Theroux, Frank R., Prof. of Civ. Eng., Michigan State College, 419 University Drive, East Lansing, Mich. (Oct. '47) *P*

Thiery, Frank J., Supt., Water Dept., Box 1079, Bristol, Conn. (Jan. '43)

Thoman, John R., U.S. Public Health Service, Water & Sanitation Investigations, E. 3rd & Kilgour Sts., Cincinnati 2, Ohio (Jan. '41)

Thomas, A. H. R., *see* New Toronto Public Utilities Com.

Thomas, Ariel A., Asst. Prof. of San. Eng., Dept. of Civ. & San. Eng., Massachusetts Inst. of Technology, Cambridge 39, Mass. (Jan. '38) *PR*

Thomas, Benjamin, Water Works Supt., Public Utilities Com., Parry Sound, Ont. (Jan. '41)

Thomas, Brennan S., Gen. Mgr. & Chief Engr., Water Dept., 215 W. Broadway, Long Beach 2, Calif. (Oct. '40) *MPR*

Thomas, Charles A., 3536 Main Highway, Coconut Grove 33, Fla. (Apr. '42)

Thomas, Charles O., Supt., Water & Light Plant, Hope, Ark. (Jan. '40) *MP*

Thomas, David S., Engr., Montana Fire Rating Bureau, 1106—2nd Ave., N., Great Falls, Mont. (Feb. '27) *Fuller Award '44.*

Thomas, E. R., Supt., Munic. Water Dept., Burlington, N.C. (Jan. '36)

Thomas, Earl F., Supt., Div. of Distr., Water Dept., 1970 "B" St., San Diego 2, Calif. (Oct. '44) *M*

Thomas, Edward C., San. Engr., Dept. of Public Health & Welfare, City Hall, Halifax, N.S. (Apr. '44) *P*

Thomas, Evan, Supt., Fairport Water Dept., Village Hall, Fairport Harbor, Ohio (Oct. '47)

Thomas, F. B., Thomas Drain Service, 35 S. College St., Akron 8, Ohio (Apr. '40) *R*

Thomas, Franklin, Prof. of Civ. Eng., California Inst. of Technology, Pasadena 4, Calif. (Mar. '30) *MPR*

Thomas, Fred Wesley, Sr. San. Engr., Div. of Health & Safety Dept., Tennessee Valley Authority, Wilson Dam, Ala. (Oct. '47) *P*

Thomas, George E., Clerk, Board of Public Affairs, 9—2nd St., Willoughby, Ohio (July '47)

Thomas, H. W., Pacific Northwest Mgr., Badger Meter Mfg. Co., Box 3026, Seattle 14, Wash. (Oct. '41)

Thomas, H. W., *see* Morse Boulger Destructor Co.

Thomas, Harry W., Sales Engr., Public Works Dept., William A. Dalee, Inc., 9190 Roselawn, Detroit 4, Mich. (Jan. '48) *PR*

Thomas, J. A., *see* Roberts Filter Mfg. Co.

Thomas, J. F. James, Chem. Engr., Indus. Waters Sec., Mineral Resources Div., Dept. of Mines & Resources, 40 Lydia St., Ottawa, Ont. (Jan. '47) *R*

Thomas, M. C., Supt., Water Works Plant, Cheraw, S.C. (Jan. '47)

Thomas, M. O., Salesman, Lyon Chemicals, Inc., 2305 Hampden Ave., St. Paul 4, Minn. (Apr. '46)

Thomas, Norton A., Chief Chemist, Water Works, City Hall, Milwaukee 11, Wis. (May '30) *P*

Thomas, R. G., *see* Lee County Health Dept.

Thomas, Ralph M., Civ. Engr., Atomic Energy Com., Dept. of Public Works, Oak Ridge, Tenn. (Oct. '46) *MPR*

Thomas, Robert O., Asst. Hydr. Engr., State Div. of Water Resources, 401 Public Works Bldg., Sacramento, Calif. (Oct. '46) *PR*

Thomas, Ross P., *see* New Mexico, Univ. of

Thomas, Thomas W., Pres. & Supt., The Peoples Water Co., Phillipsburg, N.J. (Apr. '36) *M*

Thomas, W. M., Cons. Engr., Cleveland, Miss. (Jan. '47)

Thomasson, Horace Gordon, Jr., Hydr. Engr., Ground Water Div., U.S. Geological Survey, 1330 J St., Sacramento 2, Calif. (Jan. '48) *R*

Thompsen, Albert, Meter Shop Foreman, Munic. Water Dept., 3516 S. 47th Ave., Minneapolis 6, Minn. (Apr. '38)

Thompson, Albert T., Jr., Student of San. Eng., Univ. of Texas, 915 W. 21st St., Austin, Tex. (July '48)

Thompson, B. M., Purchasing Agent, Southern California Water Co., 950 Bendix Bldg., Los Angeles 15, Calif. (Oct. '40) *M*

Thompson, Bernard, Secy.-Treas. & Plumbing Inspector, State Plumbing Board, State Capitol Bldg., Bismarck, N.D. (Oct. '45)

Thompson, E. A., Town Engr., Bridgewater, N.S. (Jan. '48) *MPR*

Thompson, E. W., Northwestern Mgr., Neptune Meter Co., 1238 N.W. Glisan St., Portland 9, Ore. (Dec. '27)

Thompson, Fletcher, *see* Clarksville Light & Water Co.

Thompson, Frank, Supervisor, Water Supply & Sewage Disposal, U.S.N. Ammunition Depot, Elnora, Ind. (Jan. '47)

Thompson, George W., *see* Pampa Water & Sewer Dept.

Thompson, H. E., *see* Washington Elec. & Water Dept.

Thompson, H. Loren, Partner, Stevens & Koon, Cons. Engrs., 1204 Spalding Bldg., Portland 4, Ore. (Jan. '46)

Thompson, H. M., Gen. Mgr., Southern States Chemical Co., 1061 W. Marietta St., N.W., Atlanta, Ga. (Jan. '38) *P*

Thompson, H. S., Partner, Brevard Drilling Co., Titusville, Fla. (Jan. '47)

Thompson, J. B., *see* Trinity Valley Iron & Steel Co.

Thompson, J. G., *see* Consolidated Western Steel Corp. [Los Angeles]
Thompson, James B., Supt., Water Works, 413 Spring St., Toronto, Ohio (Apr. '44)
Thompson, James Greer, 292 Granada Ave., Long Beach, Calif. (Oct. '40)
Thompson, Joseph, Sales Development Engr., Resinous Products & Chemical Co., 222 W. Washington Sq., Philadelphia 5, Pa. (Jan. '47)
Thompson, Laura M. (Miss), Secy.-Treas., Board of Water Comrs., Town Hall, Lindsay, Ont. (July '44) *M*
Thompson, Leonard N., Gen. Mgr., Water Dept., St. Paul 2, Minn. (Apr. '29) *Director '36–'39, '47. Vice-Pres. '45. President '46. M*
Thompson, Lewis W., Supt., City Water Dept., 272 N. Cambridge St., Orange, Calif. (July '39) *M*
Thompson, Nelson, *see* Homelite Corp.
Thompson, R. M., Co., R. M. Thompson Jr., Gen. Mgr., 29 Peach St., Clearwater, Fla. (Corp. M. Apr. '48)
Thompson, Ralph F., Water Engr., El Paso Natural Gas Co., Box 1492, El Paso, Tex. (Jan. '48) *PR*
Thompson, Robert A., Jr., Asst. Mgr., City Water Board, Box 2449, San Antonio 6, Tex. (July '44) *M*
Thompson, Ross E., *see* New Mexico Public Service Co.
Thompson, Rudolph E., Asst. Director of Water Purif., Island Filtration Plant, Centre Island, Toronto, Ont. (Mar. '22) *P*
Thompson, S. A., Chief Engr., Munic. Water Works, Burlington, Iowa (July '35)
Thompson, S. E., Supt., Water Works, Union City, Ind. (Jan. '46)
Thompson, William W., Supt., Public Works, Manasquan, N.J. (Jan. '44)
Thomson, C. N., Supt., Water Works Dept., 26 Wall St., Winchester, Ky. (Jan. '46)
Thomson, Medford T., Dist. Engr., U.S. Geological Survey, 411 Grand Theater Bldg., Atlanta 3, Ga. (Oct. '41) *R*
Thomson, R. D., Deputy Town Clerk, Dartmouth, N.S. (Apr. '48)
Thomson Meter Co., R. K. Blanchard, Vice-Pres. & Engr., 50 W. 50th St., New York 20, N.Y. (Assoc. M. Apr. '91)
Thon, Elmer K., *see* Luverne, City of
Thornburg, C. I., Pres., C. I. Thornburg Co., Inc., Box 1892, Huntington 17, W.Va. (Jan. '44) *P*
Thornton, George, Supt., Water Dept., Kinsley, Kan. (July '45)
Thornton, Gustavus, Constr. Engr., Ford, Bacon & Davis, Inc., Box 148, Galveston, Tex. (Apr. '39)
Thorold Public Utilities Com., W. J. Boyle, Secy.-Treas., Front St., N., Thorold, Ont. (Corp. M. Apr. '47)
Thorpe, T. W., Pres. & Gen. Mgr., Thorpe Well Co., 2340—6th Ave., Des Moines, Iowa (Oct. '34) *R*
Thrasher, W. E., Gen. Supt., Westchester Joint Water Works No. 1, Mamaroneck, N.Y. (Jan. '37)
Throckmorton, Walter, Water Supt., Storm Lake, Iowa (July '48)
Thuma, Ross A., Supt., Filtration Plant, Water Dept., 1900 Rice St., St. Paul 6, Minn. (Mar. '25) *Director '41–'42. P*
Thwaits, E. H., *see* Preload Corp., The
Tibbett, William M., San. Eng. Assoc., Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Oct. '43) *P*
Tiedeman, Henry G., Repr., James B. Clow & Sons, 8–166 General Motors Bldg., Detroit, Mich. (Jan. '48)
Tiernan, Martin T., Sales Engr., Wallace & Tiernan Co., Inc., Belleville, N.J. (Jan. '41) *P*
Tilbury Public Utilities Com., G. S. Richardson, Comr., Tilbury, Ont. (Corp. M. Apr. '34)
Tillman, D. L., City Clerk & Treas., Drawer 111, Cheraw, S.C. (Affil. Jan. '47)
Tillman, Gilmore, Chief Asst. City Atty., Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Apr. '47)
Tillman, Martin, Supt. of Filtration Plant, Box 671, Antioch, Calif. (Oct. '43) *P*
Tillotson, Edwin S., Office Mgr., Water Works Management Div., East St. Louis & Interurban Water Co., 513 Missouri Ave., East St. Louis, Ill. (Apr. '46)
Tillsonburg Public Utilities Com., S. Webster, Supt.-Secy., Water Works Dept., Box 113, 153 Broadway, Tillsonburg, Ont. (Corp. M. Feb. '29) *M*
Tilton, L. G., *see* La Grange Utilities
Timberlake, A. G., Supt., West Virginia Water Service Co., Hinton, W.Va. (July '35) *MP*
Timmins, Corp. Town of, J. A. Kelman, Town Engr., Town Hall, Timmins, Ont. (Corp. M. Feb. '33) *M*
Tingley, P. W., Dist. Engr., West Virginia Water Service Co., 814 Peoples Bldg., Charleston 1, W.Va. (Jan. '44)
Tinniswood, W. W., *see* Idaho, Univ. of
Tintle, John F., Clerk, Water Dept., Harrison, N.J. (Jan. '44) *M*
Tischer, H. G., Mgr., Water, Gas & Sewage Disposal Dept., 414–16 W. 1st St., Duluth 2, Minn. (July '41) *MP*
Titus, Robert L., Jr. Civ. Engr., Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (July '38)

Todd, Arthur R., Supt., Purif. & Filtration, Water Works, Wheeling, W.Va. (Apr. '34) *Fuller Award '48. P*

Tolburg, H. A., Cons. Engr., 251 Whittington Ave., Hot Springs, Ark. (July '35) *M*

Toler, George G., Cons. Engr., Box 1137, Ada, Okla. (Jan. '46)

Tolles, Frank C., Partner, Havens & Emerson, 1140 Leader Bldg., Cleveland 7, Ohio (Aug. '23) *P*

Tolman, S. L., *see* Jeffrey Mfg. Co.

Tomahawk Munic. Water Utility, William Krueger, Supt. of Water Dept., Tomahawk, Wis. (Corp. M. July '43)

Toman, George J., Cons. Engr., Mandan, N.D. (Jan. '47) *PR*

Toman, R. S., Dist. Mgr., Chemical Equipment Co., 1217 Engineering Bldg., Chicago 6, Ill. (Jan. '40) *P*

Tomasini, Louis F., Supt. of Water, 513 Elm St., Norway, Mich. (July '48)

Tomkinson, P. K., Intake Supervisor, Phoenix Water Dept., Ft. McDowell, Ariz. (Oct. '47)

Tomlinson, W. S., City Engr., City Hall, Columbia 3, S.C. (July '37) *M*

Tomlinson, Walter John, Tech. Director, E. F. Drew & Co., Ltd., 660 St. Catherine St., W., Montreal, Que. (July '38) *P*

Tomme, E. M., Mgr. of Utilities, Box 484, Raymondville, Tex. (Oct. '43)

Toms, J. H., Supt. of Filtration, Water Dept., 206 Lee St., Shelby, N.C. (Jan. '40)

Toms, R. C., Mgr., Marion Water Co., Marion, Iowa (Apr. '24)

Tonawanda, Town of, Alexander G. Martin, Councilman, 36 Kensey Ave., Kenmore 17, N.Y. (Corp. M. Apr. '44)

Tonglet, Karel H., Civ. Engr., 235 W. Hillcrest Blvd., Monrovia, Calif. (Oct. '37)

Topham, W. R., Chief Chemist, Electro Metallurgical Co., Alloy, W.Va. (Affil. Jan. '39) *P*

Toronto Dept. of Works, M. A. Stewart, Comr. of Works, City Hall, Toronto 1, Ont. (Corp. M. Jan. '35) *MPR*

Toth, Albert Steven, San. Engr., Parsons, Brinckerhoff, Hall & MacDonald, 51 Broadway, New York 6, N.Y. (Jan. '48) *PR*

Totka, Vincent, Mayor, 3617 E. Layton Ave., Cudahy, Wis. (Jan. '42)

Totman, William A., *see* Sierra Pacific Power Co.

Touzin, Thomas, Engr., Water Safing Sec., Water & Sewerage Div., 3566 Carleton Rd., Montreal, Que. (July '48)

Towne, James E., Supt., Public Utilities, N. Forest St., Waupun, Wis. (Oct. '35) *M*

Towne, W. W., Director, Div. of San. Eng., State Board of Health, Pierre, S.D. (Dec. '29) *P*

Towns, J. E., Dist. Mgr., General Chemical Div., Allied Chemical & Dye Corp., 3357 W. 47th Pl., Chicago 32, Ill. (Oct. '37) *P*

Townsend, Fred W., 2412 Edgewater Terrace, Los Angeles, 26, Calif. (Apr. '33) *P*

Townsend, Hal C., Repr., Worthington Gamon Meter Co., 3341 Wiscasset Rd., Dearborn, Mich. (Jan. '38) *M*

Toyne, Warren D., City Mgr., City Hall, Painesville, Ohio (Oct. '47) *M*

Tracey, J. C., Dist. Mgr., The Permutit Co., 918 F St., N.W., Washington, D.C. (Apr. '46) *P*

Tracy, Harry W., Asst. Engr. II, Water Purif., San Francisco Water Dept., Millbrae, Calif. (Jan. '40) *P*

Tracy, R. N., Div. Engr., Hardesty Div. of Armco Drainage & Metal Products, Inc., Box 2170, Denver, Colo. (Jan. '35) *R*

Trager, Leonard W., Director, Div. of San. Eng., State Dept. of Health, 17 Capital St., Concord, N.H. (Jan. '46) *PR*

Trahern, James William, Supervising Civ. Engr., East Bay Munic. Utility Dist., Box 720, Oakland 4, Calif. (Jan. '47) *MR*

Trainer, J. Hagan, Supt., City Water Works, 306 Market St., Steubenville, Ohio (Apr. '42) *M*

Trauger, George W., Supt. & Resident Engr., Lindsay-Strathmore Irrigation Dist., Lindsay, Calif. (Nov. '25)

Traugott, John A., Chief Chemist, Jamaica Water Supply Co., 161-20—89th Ave., Jamaica, N.Y. (Oct. '44)

Travaini, Dario, San. Engr., Water Dept., City Hall, Phoenix, Ariz. (July '40) *P*

Traverse City Iron Works, William A. Royce, Pres., Traverse City, Mich. (Assoc. M. July '38)

Trax, E. C., Chemist, Filtration Plant, McKeesport, Pa. (June '11) *Fuller Award '39. Director '39–'41.*

Treanor, Earl E., Owner, Earl E. Treanor Eng. Co., 12 E. 16th St., Kansas City 8, Mo. (Jan. '44) *P*

Trees, George S., Contracting Engr., Chicago Bridge & Iron Co., 332 S. Michigan Ave., Chicago 4, Ill. (July '47)

Trelles, Rogelio A., Jefe de los Laboratorios, Obras Sanitarias de la Nacion, Ave. Pte. Figueroa Alcorta 5950, Buenos Aires, Argentina (July '42)

Tremblay, J. A., Water Works Engr., City Hall, Quebec, Que. (May '24) *P*

Trentlage, LaVerne, Supt., Meter Div., Water Dept., 353 Cooper Ave., Elgin, Ill. (Apr. '36) *M*

Trenton, Ont., Public Utility Com. of, E. R. Smithrim, Mgr., Box 811, Trenton, Ont. (Corp. M. Jan. '44) *M*

Trenton Water Works, Donal J. Connolly, Director of Public Works, City Hall, Trenton 8, N.J. (Corp. M. May '09)

Triay, Roland, Jr., Civ. Eng. Assoc., System Planning Sec., Water Design Div., Dept. of Water & Power, 207 S. Broadway, Los Angeles 12, Calif. (Oct. '44) *M*

Trice, Milton R., Supt., El Paso County Water Control & Improvement Dist. No. 1, Box B, Ysleta, Tex. (July '47)

Trinity Valley Iron & Steel Co., J. B. Thompson, Box 664, Fort Worth, Tex. (Assoc. M. Jan. '46)

Tripp, Garner C., Jr., Asst. Supt. & Engr., Water Dept., Glens Falls, N.Y. (Jan. '41) *M*

Troconis, Humberto José, Civ. Engr., Creole Petroleum Corp., Eng. Dept., Amuay, Paraguanà Peninsula, Estado Falcón, Venezuela (Jan. '48) *PR*

Trombetta, Salvatore J., Civ. Engr., Operations Branch, Water Supply Div., Washington Dist., Corps of Engrs., 1st & Douglas Sts., N.W., Washington, D.C. (Jan. '48) *MP*

Trone, Elmer, Chemist, Golden State Co., Ltd., 425 Battery St., San Francisco 11, Calif. (Jan. '46) *P*

Trostle, N. E., Water Supt., Water Dept., Municipal Bldg., Temple, Tex. (Oct. '42) *M*

Troubs, D. S., Director of Mfg. Operations, Industrial Chemical Sales Div., West Virginia Pulp & Paper Co., Covington, Va. (Jan. '46) *P*

Trow, Raymond B., Civ. Engr., The Texas Pipe Line Co., 821 Texas Bldg., Houston, Tex. (Jan. '43) *MP*

Trowbridge, Charles E., Chief San. Engr., American Water Works Co., 50 Broad St., New York 4, N.Y. (Mar. '29) *P*

Troy Bureau of Water, William Luby, Comr. of Public Works, City Hall, Troy, N.Y. (Corp. M. May '24)

Trubnick, Eugene H., Chemist, Anheuser-Busch, Inc., Old Bridge, N.J. (Apr. '44) *P*

Truehart & Caldwell, T. A. Caldwell, Partner, Utility Contractors, 509 American Hospital Life Bldg., San Antonio 5, Tex. (Corp. M. Jan. '47)

Truesdale, William, Box 476, Essex, Ont. (Jan. '37)

Truett, Robert Ernest, Chief Operator, Water Dept., Port Arthur, Tex. (Jan. '47)

Truman, Chester A., Supt., Water Dept., 1628 N. Nevada Ave., Colorado Springs, Colo. (Dec. '26) *Director '37–'40. Fuller Award '45. M*

Trygg, Charles E., 3 Jarvis Court, Cambridge 38, Mass. (Oct. '42) *P*

Tucker, A. C., Plant Operator, The Newell Co., Box 43, Newell, W.Va. (Affil. Oct. '45) *PR*

Tucker, Belden S., Dist. Sales Mgr., Economy Pumps, Inc., 105 W. Monroe St., Chicago 3, Ill. (July '45)

Tucker, R. D., *see* Crossett Public Utilities Co.

Tudor, T. C., *see* Goodrich, B. F., Chemical Co.

Tufts, William Hutchins, Tufts & Walker, Cons. Fire Prevention Engrs., 928 Park Square Bldg., Boston, Mass. (July '47) *M*

Tuggle, H. G., Director of Sanitation, Memphis-Shelby County Health Dept., 879 Madison Ave., Memphis 3, Tenn. (Jan. '42)

Tuinman, H. T., Supervising Engr., Dept. of Water Works, City Hall, Hammond, Ind. (Apr. '46) *P*

Tull, E. R., Supt., Water Dept., Rockingham, N.C. (Jan. '35)

Tuller, William Newton, Supervisor of Lab., Freeport Sulphur Co., Port Sulphur, La. (Jan. '43) *P*

Tulsa Water Dept., City Hall, Tulsa 3, Okla. (Corp. M. June '29)

Tupper Lake Munic. Water System, B. N. Sparks, Mgr., 93 Park St., Tupper Lake, N.Y. (Mun. Sv. Sub. Oct. '42)

Turnbull, William, Supt., Pumping Station, Water Works Dept., City Hall, Brandon, Man. (Jan. '48)

Turner, Arthur W., Repr., Hays Mfg. Co., 4011 Trask Ave., Erie, Pa. (Jan. '44)

Turner, Charles D., Mgr., Hot Enamel Sales, Eastern Dist., Koppers Co., Inc., Tar Products Div., 401 N. Broad St., Philadelphia 8, Pa. (Apr. '37)

Turner, Clyde Milton, Major, Medical Service Corps, U.S. Army, San. Engr., 9829th TSU, Engr. School, Fort Belvoir, Va. (July '47) *PR*

Turner, E. S., Partner, William S. Turner & Co., Pacific Bldg., Portland 4, Ore. (Apr. '44) *P*

Turner, Harold A., Service Engr., Ohio Salt Co., 5922 Alder St., Pittsburgh 6, Pa. (July '48)

Turner, James V., Supt., East Providence Water Dept., 65 Hunts Mills Rd., Rumford 16, R.I. (July '38) *M*

Turner, Marvin, The Marvin Turner Engrs., Nalle Bldg. Annex, 7th & Brazos Sts., Austin, Tex. (Oct. '40) *M*

Turner, N. P., Partner, Freese, Nichols & Turner, 2111 National Standard Bldg., Houston 2, Tex. (Jan. '46) *P*

Turner, William DeGarmo, Tech. Director, Airkem, Inc., 235 E. 47th St., New York 17, N.Y. (May '31) *P*

Turre, George J., San. Engr., Board of Water Comrs., City & County Bldg., Denver 1, Colo. (Nov. '27) *Fuller Award '48. P*

Tuscaloosa, City of, C. S. Read, Supt., Water Works, Tuscaloosa, Ala. (Corp. M. Jan. '35)

Two Harbors, City of, Carl F. Barr, Supt. of Utilities, Two Harbors, Minn. (Corp. M. Apr. '39)

Twohy, Frank, Asst. Controller, Dept. of Water & Power, 207 S. Broadway, Los Angeles 12, Calif. (Oct. '43) *MR*

Tygert, Cyril B., Wallace & Tiernan Co., Inc., Box 178, Newark 1, N.J. (Oct. '35)

Tykosky, Victor J., Water Plant Operator, Ypsilanti Township, Water Dept., Willow Run, Mich. (July '47) *P*

Tyldesley, Thomas B., Supt., Water Dept., City Hall, Watertown, N.Y. (Jan. '41) *MP*

Tyler, Arthur R., Engr. & Supt., Suburban Water System, 405 City Hall, Honolulu 43, Hawaii (July '42)

Tyler, H. Ward, Supervising Sr. Engr., Seattle Eng. Dept., 404 County-City Bldg., Seattle 4, Wash. (Jan. '48)

Tyler, Ralph L., Water Utilities Service Corp., 201 N. 6th St., Camden, N.J. (Jan. '37) *M*

Tyler, Richard Gaines, Prof. of San. Eng., Univ. of Washington, Seattle 5, Wash. (Feb. '31) *PR*

Ueckert, Elgin, *see* Bellville Water Dept.

Uhl, William Frank, San. Engr., Southeastern Branch Office, State Board of Health, 604 Franklin St., Columbus, Ind. (Oct. '41) *MPR*

Uline, B. A., Secy. & Gen. Mgr., Nappanee Utilities Co., Nappanee, Ind. (Apr. '42)

Ullrich, A. H., Supt., Water & Sewage Treatment, Box 1160, Austin, Tex. (Oct. '35) *Fuller Award '48. P*

Ulrich, A. A., Vice-Pres. & Mgr. (Massillon Div.), Ohio Water Service Co., 161 Lincoln Way, E. Massillon, Ohio (June '31) *MP*

Ulrich, J. W., Supt. of Utilities, Public Utilities Com., New Ulm, Minn. (Apr. '44) *M*

Ulster County Dept. of Health, Harry F. Edinger, Director, Environmental Sanitation, 61 Albany Ave., Kingston, N.Y. (Mun. Sv. Sub. Apr. '48)

Umbenhauer, Elwood J., Supt., Dept. of Water & Sewerage, 419 N. Stanton St., Box 511, El Paso, Tex. (Oct. '35) *M*

Umberger, C. Dwyer, Chemist, Water & Sewer Dept., Durham, N.C. (Jan. '48) *MPR*

Underwood, J. E., Member of Firm, Underwood & McLellan, Cons. Munic. Engrs., 502 Grain Bldg., Saskatoon, Sask. (Jan. '37) *P*

Underwood, Lyle T., Supt., Water & Elec. Depts., Municipal Bldg., Little Valley, N.Y. (Jan. '41) *MP*

Ungurait, Donald W., Chemist, Dept. of Water Works, 532 Franklin St., Michigan City, Ind. (Jan. '46) *P*

Uniondale Water Dist., William F. Smith, Clerk, Town Hall, Front St., Hempstead, N.Y. (Corp. M. Apr. '46)

United Concrete Pipe Corp., L. A. Cline, Box 425, Baldwin Park, Calif. (Assoc. M. Apr. '48)

United Filters & Engineering, Ltd., F. C. Hoveman, Mng. Director, 4 Burston Rd., Putney, London, S.W. 15, England (Corp. M. Jan. '46)

U.S. Electrical Motors, Inc., F. O. Luenberger, Chief Design Engr., 200 Slauson Ave., Los Angeles 54, Calif. (Assoc. M. Jan. '48)

U.S. Pipe & Foundry Co., J. B. McFarland, Publicity Mgr., Burlington, N.J. (Assoc. M. June '92)

Universal Construction Co., H. L. Reese, Owner, 1158 W. 34th St., Indianapolis 8, Ind. (Assoc. M. Apr. '41)

Unzner, Frank, *see* Irvington Water Dept.

Updegraff, Winston R., Mgr. & Editor, *Western City,* 458 S. Spring St., Los Angeles 13, Calif. (July '48)

Urton, J. R., Supt., Water Works, Box 21, Carlisle, Ark. (Oct. '43)

Uslar, Carlos Suhr, Avenida del Club Paraiso, Villa Tacarigua, Caracas, Venezuela (Jan. '44)

Utah State Dept. of Health, Lynn M. Thatcher, Director, Div. of Public Health Eng. & Sanitation, 122 State Capitol, Salt Lake City 1, Utah (Corp. M. Jan. '42) *PR*

Vaaler, Adrian W., Cons. Civ. Engr., 861 Willamette St., Eugene, Ore. (Apr. '43) *P*

Vail, H. P., Sr. Engr., Operation & Maint. Div., Metropolitan Water Dist., 306 W. 3rd St., Los Angeles 13, Calif. (Oct. '39) *MP*

Valazquez, Jose Mendez, *see* Mexico, Banco Nacional Hipotecario Urbano y de Obras Publicas, S.A.

Valdes Roig, J. M., Ave. de Belgica No. 258, Havana, Cuba (Apr. '39) *P*

Valdese Water Works, Valdese, N.C. (Corp. M. Oct. '42)

Valencia, Lupie, *see* San Gabriel County Water Dist.

Valentine, Edward H., Supt. of Works, Dist. of North Vancouver, 104 W. 2nd St., North Vancouver, B.C. (Oct. '43) *P*

Valentino, Jack, Sales Engr., Badger Meter Mfg. Co., 607 N. Pine St., Florence, Ala. (July '48)

Valentino, John G., Southern Sales Mgr., Badger Meter Mfg. Co., Box 573, Savannah, Ga. (Apr. '45) *P*

Valvco, Inc., James E. Frank, 57 William St., New York 5, N.Y. (Assoc. M. Apr. '48)

Valve & Primer Corp., F. H. Bradford, Pres., 30 W. Washington St., Chicago 3, Ill. (Assoc. M. Apr. '48)

Van Arnum, William I., Chem. Engr., Mahoning Valley San. Dist., 420 Glenwood Ave., Youngstown 2, Ohio (Feb. '22)

Van Atta, John Wilson, *see* Carter, Ralph B., Co.

Van Benschoten, J., 1706 Washington Ave., Santa Monica, Calif. (June '23)

Van Blarcum, B. H., Water Supt., Water Dept., Manhattan, Kan. (Apr. '44) *MP*

Van Brocklin, Walter J., *see* Gloversville Water Works

Van Burek, Robert, Toronto Dist. Mgr., Wallace & Tiernan, Ltd., 350 Sorauren Ave., Toronto 3, Ont. (Jan. '44) *P*

Van Camp, Paul M., Cons. Engr., Southern Pines, N.C. (Nov. '31) *P*

Vance, L. S., Tech. Adviser, Metropolitan Sewer Dist., 310 City Hall Annex, Louisville 2, Ky. (Apr. '38) *Fuller Award '38. M*

Vandenberg, Alfred John, 3305 Garfield Ave., Alameda, Calif. (Oct. '44)

Vanden Bossche, Henry C., Chief, Civ. Eng. Dept., Kistner, Curtis & Wright, 202 Architects Bldg., Los Angeles 13, Calif. (Jan. '48) *PR*

VanDenburg, John W., Engr., Parsons, Brinckerhoff, Hall & MacDonald, 51 Broadway, New York 6, N.Y. (Jan. '46) *P*

Vander Velde, T. L., Asst. Engr., Dept. of Health, Lansing 4, Mich. (Oct. '45) *P*

Van Deusen, E. J., Supt., Village Water Works, 21 Pearl St., Malone, N.Y. (Feb. '25) *MP*

VanDoren, Loyal M., Partner, Servis & VanDoren, Cons. Engrs., 106 E. 8th, Hays, Kan. (Apr. '46) *R*

Van Dorp, George J., Comr. of Water, 565 N. Erie St., Toledo, Ohio (Jan. '45) *M*

VanDusen, Dana, Vice Gen. Mgr.,-Gen. Counsel, Metropolitan Utilities Dist., Utilities Bldg., Harney St., Omaha 2, Neb. (Jan. '44) *M*

Van Dyke, R. A., Sales Mgr., Northern Gravel Co., Box 307, Muscatine, Iowa (Oct. '44) *P*

Van Frachem, William, *see* Allouez Water Dept.

Van Gelder, John M., Dist. Mgr., Wallace & Tiernan Co., Inc., 522 Cedar Crest Drive, Garland, Tex. (Oct. '39) *P*

Van Heuvelen, W., Sr. Chemist, State Health Dept., 814—17th St., Bismarck, N.D. (July '48)

Van Meter, L. R., Sales Engr., Neptune Meter Co., 828 E. Cantrell St., Decatur, Ill. (Jan. '47)

Van Meter, Roy O., San. Engr., Prof. Mech. Engr., Dept. of Water & Power, San. Eng. Div., 207 S. Broadway, Los Angeles 12, Calif. (Oct. '32) *MR*

Van Natta, Charles, Field Engr., Fairbanks, Morse & Co., 11803 Harvard Rd., Richmond 21, Va. (Apr. '48)

Van Norman, D. M., Equipment Supt., Dept. of Water & Power, 444 Ducommun St., Los Angeles 12, Calif. (July '42)

Vannoy, F. R., Repr., Neptune Meter Co., 343 E. Center St., Madisonville, Ky. (Jan. '38)

Vanoni, L. R., Owner & Mgr., Coast Springs Water Co., Tomales, Calif. (July '47)

Van Pelt, Richard, 1157 N. Cottage St., Salem, Ore. (Apr. '43) *MP*

Van Praag, Alex, Jr., Vice-Pres. & Secy., Warren & Van Praag, Inc., 253 S. Park St., Decatur 12, Ill. (Jan. '38) *PR*

Van Reenen, W. J., Vice-Pres. in Charge of Sales, American Norit Co., Inc., 707 Atlantic National Bank Bldg., Jacksonville 2, Fla. (Jan. '39) *P*

Van Riper, Milford F., *see* Freeport, Inc. Village of

Van Trump, Roderick, Asst. Director-Mgr., Southern Div., Van Trump Testing Lab., 219 Terminal Warehouse Bldg., Little Rock, Ark. (Apr. '47)

Van Trump, S. N., Wilmington Suburban Water Co., Bellevue, Del. (July '35)

Van Zandt, W. K., Distr. Engr., Water Dept., City Hall, Houston, Tex. (Apr. '42) *M*

Varner, C. W., Pres., Varner Well Co., Box 237, Dubuque, Iowa (Jan. '47)

Varner Well Drilling Co., C. W. Varner, Pres., 2125 Oxford St., Rockford, Ill. (Assoc. M. Jan. '45)

Vaseen, V. A., Asst. Engr., Ripple & Howe, Cons. Engrs., 426 Cooper Bldg., Denver 2, Colo. (Jan. '44) *MPR*

Vass, E. M., Town Mgr., Colonial Beach, Va. (Jan. '47)

Vass, I. G., *see* Waynesboro, City of

Vaughan, E. A., *see* Lompoc Light & Water Dept.

Vaughan, J. L., Supt., Water Com., City Hall, Box 397, Pendleton, Ore. (Jan. '37) *MP*

Vaughan, William F., Chemist, Tennessee Valley Authority, Health & Safety Div., 407 N. Gay St., Knoxville, Tenn. (Oct. '47) *R*

Vaughn, J. H., Water Works Operator II, 1210 Hemphill Ave., N.W., Atlanta, Ga. (Apr. '48)

Vaughn, James C., Filtration Engr., Water Purif. Div., Bureau of Eng., Dept. of Public Works, 3300 E. Cheltenham Pl., Chicago 49, Ill. (Jan. '36) *MP*

Veader, Elmon F., Dist. Mgr., West Virginia Water Service Co., Charleston 5, W.Va. (Mar. '29) *M*

Veale, Frederic James, Asst. Bldg. Comr., Dept. of Bldgs., Hamilton, Ont. (Jan. '31) *M*

Veatch, N. T., Partner, Black & Veatch, 4706 Broadway, Kansas City 2, Mo. (Dec. '15) *Director '41–'44. Vice-Pres. '47. President '48. MPR*

Veazey, Worth, Chief Operator, Filter Plant, Russell Mfg. Co., Alexander City, Ala. (Oct. '45)

Veigel, Louis Walter, Cons. Engr., Box 466, Dickinson, N.D. (Jan. '47)

Veitcort, Theodore E., *see* Copper & Brass Research Assn.

Velliquette, S. Kelso, Asst. Director of New Business & Statistics, Water System, Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Oct. '44) *M*

Velloso, Frederico A. L., Empresa Beta Bahiana de Costr., Avenida Sete de Setembro 50–1 Andar, Salvador, Bahia, Brazil (Jan. '43)

Velz, C. J., Prof. of San. Eng., Manhattan College, Spuyten Duyvil Pkwy., New York 63, N.Y. (Jan. '35) *P*

Velzy, Charles R., 22 Earlwood Drive, White Plains, N.Y. (Apr. '37) *P*

Ventura Water System, Hugh M. Wood, Supt., Box 1010, Ventura, Calif. (Corp. M. Jan. '36)

Vergeer, Gerard S., City Mgr., City Hall, Milton City, Ore. (Jan. '46) *MP*

Vermeule, Cornelius Clarkson, Cons. Engr., Box 263, New Brunswick, N.J. (June '09)

Vermillion Water Dept., H. A. Fowler, Water Supt., Vermillion, S.D. (Corp. M. Jan. '47)

Vernon, City of, Francis Bates, City Engr., 4305 Santa Fe Ave., Vernon 11, Calif. (Corp. M. Jan. '37) *MPR*

Vernon, R. O., Assoc. State Geologist, Florida Geology Survey, Box 631, Tallahassee, Fla. (Oct. '47)

Vessey, B. Gordon, Admin. Aide, Public Relations, Water Dept., 341 Municipal Utilities Bldg., Long Beach 2, Calif. (Apr. '48)

Vest, J. P., Shop Mgr., Water Dept., Charlotte, N.C. (July '48)

Vest, W. E., Water Dept. Consultant, City Hall, Charlotte 2, N.C. (May '11) *Director '30–'31. Honorary M. '42. M*

Vicentini G., Jorge, San. Engr., Ministerio de Obras Publicas, Apdo. 304, Caracas, Venezuela (Jan. '39)

Vicini, Hoit C., Vice-Pres. & Gen. Supt., Southern California Water Co., 950 Bendix Bldg., 1206 S. Maple Ave., Los Angeles 15, Calif. (Jan. '40) *M*

Vicker, Harold A., Chief Engr., Scranton-Spring Brook Water Service Co., 135 Jefferson Ave., Scranton 3, Pa. (Jan. '43) *MPR*

Victoria Water Dept., V. E. Atkinson, Supt., Victoria, Tex. (Corp. M. Apr. '47) *M*

Victory, T. M., Apdo. 1715, Havana, Cuba (Jan. '41) *MP*

Vieno, R. R., Supt., Dist. Water Dept., City Hall, Beaumont, Tex. (July '38) *M*

Viking Supply Co., The, J. L. Osborne, Sales Mgr., 2625 Elm St., Dallas 1, Tex. (Assoc. M. Jan. '46)

Vilá, Jose A., Civ. Engr., Amargura 358, Havana, Cuba (Jan. '45)

Vilaret, Manuel R., Civ. Engr., Box 718, Vedado, Havana, Cuba (July '45)

Villa-Acosta, Alfonso, Cons. San. Engr., Ministry of Hydr. Resources, Mier y Pesado 222, Mexico, D.F., Mexico (Apr. '30) *PR*

Villarruz, Primo A., Asst. San. Engr., California Water Service Co., 374 W. Santa Clara St., San Jose 8, Calif. (Feb. '32) *MPR*

Villaverde Nunez, Maximo, Chief Engr., Public Works, Rivera 75, Arroyo Apolo, Havana, Cuba (Oct. '46)

Villemure, J. Phileas, Supt., City Works, City Hall, Grand'Mere, Que. (Apr. '41) *M*

Vinas Sorba, Manuel, 1555 Francia St., Santurce, Puerto Rico (Jan. '47)

Vincent, Anthony L., Mgr., Water Works, Box 127, Ceres, Calif. (Oct. '46)

Vincent, George P., Tech. Director, Mathieson Chemical Corp., 60 E. 42nd St., New York 17, N.Y. (Jan. '45) *P*

Vincent, Gordon G., Mgr., Tech. Service Dept., Chemicals Group, Canadian Industries, Ltd., Box 10, Montreal, Que. (Jan. '44)

Vineland Water Dept., Howard M. Down, Treas. & Gen. Mgr., 6th & Wood Sts., Vineland, N.J. (Corp. M. July '43) *M*

Vinick, Albert G., *see* East Chicago Dept. of Water Works

Vinson, A. T., Owner, Vinson Specialty Paint Co., 225 Burgess Bldg., Jacksonville 2, Fla. (Apr. '42)

Vinson, H. Raymond, Sr., Pres. & Gen. Mgr., Boise Water Corp., 623 Idaho St., Boise, Idaho (Jan. '46) *MP*

Vint, Harvey E., Supt., City Water Works, City Hall, Bloomington, Ind. (Apr. '48)

Viquier, Jule J., Purchasing Agent, California Water Service Co., Box 1150, San Jose 8, Calif. (Jan. '48)

Virginia Smelting Co., W. F. Luckenbach Jr., Mgr., Indus. Sales, West Norfolk, Va. (Assoc. M. Jan. '47)

Vista Irrigation Dist., Harold H. Yackey, Mgr., Vista, Calif. (Corp. M. July '46) *MPR*

Voden, Stewart, Chemist, Corwin & Co., Inc., Cons. Engrs., Great Falls, Mont. (Jan. '39) *PR*

Voelker, Eugene J., *see* Lake, Town of, Water Utility

Vogt, E. L., *see* Vogt Mfg. Co.

Vogt, John Edward, Asst. Engr., Div. of Water Supply, Bureau of Eng., State Dept. of Health, Lansing, Mich. (Jan. '47) *P*

Vogt Mfg. Co., E. L. Vogt, Box 1122, Louisville 1, Ky. (Assoc. M. May '25)

Voigt, Otto D., Sr. Civ. Engr., U.S. Engr. Office, 1st & Douglas Sts., N.W., Washington, D.C. (Jan. '47)

Voland, J. A., *see* Golden-Anderson Valve Specialty Co.

Volk, Kenneth Q., Cons. Engr., 176 N. Highland Ave., Los Angeles 36, Calif. (Oct. '26) *MP*

Vollmer, A. Russell, Partner, Whitman, Requardt & Assoc., 1304 St. Paul St., Baltimore 2, Md. (Oct. '47)

Volpp, A. G., Water Supt., West Linn, Ore. (Apr. '39) *M*

Von Rader, John, Jr., Supt., Indio Water Service, 413 Towne Ave., City Hall, Indio, Calif. (Oct. '45) *M*

Von Scheidt, J., Personnel Director, Hackensack Water Co., 4100 Park Ave., Weehawken, N.J. (Oct. '42)

von Starck, Ernest R., Atty., Morgan, Lewis & Bockius, 2107 Fidelity-Philadelphia Trust Bldg., Philadelphia 9, Pa. (Jan. '48)

Vraalstad, Ira M., Supt., Water Dept., Village of St. Louis Park, 5925 W. 37th St., Minneapolis 16, Minn. (Oct. '44)

Vrooman, Morrell, Cons. Civ. Engr., Trust Co. Bldg., 21 N. Main St., Gloversville, N.Y. (June '13) *P*

Vrooman, W. S., Water Supply Engr., Southern California Water Co., 1206 S. Maple Ave., Los Angeles 15, Calif. (Sept. '31)

Waddell, W. H., City Engr. & Supt., Water Dept., City Hall, Owen Sound, Ont. (July '35) *MR*

Waddell, W. J., Western Repr., Neptune Meters, Ltd., 3336 Angus St., Regina, Sask. (Jan. '45)

Waddington, Arthur H., Chemist & Bacteriologist, 23 Torver Rd., Harrow, Middlesex, England (June '34)

Wade, Baxter F., Mgr., Southern Branch, Traylor Bros., Inc., Box 4369 Fondoen Station, Jackson, Miss. (Jan. '43) *MP*

Wade, Harry D., Sales Agent, U.S. Pipe & Foundry Co., 2105 Bryant Bldg., Kansas City 6, Mo. (Oct. '45)

Wade, Newton B., City Engr., City Hall, Millville, N.J. (Oct. '42) *MP*

Wafer, Joseph M., Mgr., Industrial Chemcal Sales Div., West Virginia Pulp & Paper Co., 230 Park Ave., New York 17, N.Y. (Jan. '37) *P*

Wagar, Robert L. J., City Engr. & Supt., Water Works, 830 Center St., Bellevue, Ohio (Oct. '45) *MP*

Wagener, August H., 4311 Springdale Ave., Baltimore 7, Md. (Jan. '44) *M*

Wagenhals, H. H., Assoc. San. Engr., State Dept. of Health, 505 McCarthy Bldg., Syracuse, N.Y. (July '37) *PR*

Wager, C. L., Postmaster, Heflin, Ala. (Affil. Jan. '40)

Waggoner, L. L., Mgr., Water Dept., Lake Mills, Iowa (Apr. '47)

Wagner, A. H., Supt., Public Water Works Dist. No. 2, 119 E. Abriendo Ave., Pueblo, Colo. (Mar. '28)

Wagner, C. F., Mgr., Oregon Insurance Rating Bureau, Box 70, Portland 7, Ore. (Nov. '25)

Wagner, Edmund G., American Embassy, IIAA, Rio de Janeiro, Brazil (May '42)

Wagner, Edward P., Partner, E. L. Wagner, Civ. & San. Engrs., 415 Lexington Ave., New York, N.Y. (Jan. '37)

Wagner, Edwin B., Supt. of Water, Streets & Sewers, Municipal Bldg., Downingtown, Pa. (Apr. '21) *P*

Wagner, Henry F., Chief Chemist, Div. of Water, Buffalo, N.Y. (May '14)

Wagner, Henry J., Mgr., Illinois Water Service Co., 124 W. Washington St., Pontiac, Ill. (Oct. '47)

Wagner, Karl B., Public Utility Contractor, Route 3, Box 370, Austin, Tex. (July '46)

Wagner, Nelson J., Repr., The Gregg Co., Rusta Restor Div., 1946 Main St., E., Rochester 9, N.Y. (July '46)

Wagner, Richard F., Major, Military Govt. for Bavaria, Field Operation Div., Branch E, APO 407, U.S. Army, Munich, Germany (Oct. '45)

Wagoner, W. R., Dist. Engr., State Dept. of Health, R.D. 5, Box 51, Akron 1, Ohio (Oct. '45) *P*

Wahlgren, A. W., *see* Cardox Corp.

Waite, Howard, Engr., Station 10, c/o O. in C.C. Guam, Guam (Apr. '40)

Wake Forest, Town of, O. M. McKaughan, Supt., Light & Water Dept., Box 508, Wake Forest, N.C. (Corp. M. Jan. '42)

Walasyk, Edward, Asst. Engr., Eng. Dept., Hackensack Water Co., 4100 Park Ave., Weehawken, N.J. (Apr. '43) *MR*

Walbert, C. C., Mgr., Batesville Water Co., Inc., Batesville, Ark. (Jan. '43) *MP*

Waldron, John T., Sales Engr., Calgon, Inc., 135—11th Ave., Huntington, W.Va. (Jan. '46)

Walker, Brown, Supt., Water & Sewer Dept., Savannah, Tenn. (July '48)

Walker, Carl C., Chief Engr., The Jennings-Lawrence Co., Cons. Engrs., 538 Rowlands Bldg., Columbus 15, Ohio (Jan. '24) *PR*

Walker, Edward L., 75 Vreeland Ave., Rutherford, N.J. (Jan. '34)

Walker, Harold, Chief Operator, Filtration Plant, Water Works Com., St. Catherines, Ont. (Apr. '47)

Walker, Henry S., *see* Detroit Edison Co., The

Walker, J. D., Pres., Walker Process Equipment, Inc., Box 266, Aurora, Ill. (Jan. '45) *P*

Walker, James G., Mgr., New York Dist., Transite Pipe Dept., Johns-Manville Sales Corp., 270 Madison Ave., New York, N.Y. (Apr. '45)

Walker, Merton George, Chief Chemist, Hiram Walker & Sons, Inc., Ft. Edmund St., Peoria 1, Ill. (Jan. '39)

Walker, Ray, *see* San Fernando Water Dept.

Walker, Rupert G., Supt., Water Works, 14 Buck St., Canton, N.Y. (Apr. '47)

Walker, Vernon L., San. Engr., Greeley & Hansen, Engrs., 220 S. State St., Chicago, Ill. (July '42) *P*

Walker Process Equipment, Inc., J. D. Walker, Pres., 33 Hoyt Pl., Aurora, Ill. (Assoc. M. Jan. '47)

Wall, George W., Engr., Birmingham Indus. Water Supply System, 1913—4th Ave., N., Birmingham, Ala. (July '45) *M*

Wall, Harold M., Mgr., Indus. Dept., The Chemical Process Co., 1906 Galveston Rd., Houston 12, Tex. (Jan. '44)

Wall, V. M., Sales Mgr., National Cast Iron Pipe Co., Box 2542, Birmingham, Ala. (Oct. '29)

Wallace, D. W., Branch Mgr., American Cast Iron Pipe Co., 941 Plymouth Bldg., Minneapolis 2, Minn. (July '45)

Wallace, Donald S., Dist. Engr., U.S. Geological Survey, Water Resources Branch, Charlottesville, Va. (May '34) *R*

Wallace, William M., Supt. of Filtration & Sewage Treatment, Dept. of Water Supply, Detroit 14, Mich. (Apr. '22) *P*

Wallace & Tiernan Co., Inc., Box 178, Newark 1, N.J. (Assoc. M. Apr. '15)

Wallaceburg Water Com., Albert G. Price, Mgr., Wallaceburg, Ont. (Corp. M. Jan. '48) *MPR*

Waller, Robert O., Filtration Engr., South Dist. Filtration Plant, 3300 Cheltenham Pl., Chicago 49, Ill. (May '33) *P*

Walling, Ernest, Chief Engr., Water Works Dept., 7 Clark St., W., Leamington, Ont. (Jan. '46) *MPR*

Wallis, J. A., Supt., Water & Sewers, Water Works, Malvern, Ark. (Jan. '42)

Wallis, L. E., Supt., Water & Light Dept., Elberton, Ga. (Feb. '33) *MP*

Wallis, Robert Clinton, Gen. Mgr., City Utilities, Llano, Tex. (Jan. '46) *M*

Walsh, Philip F., Admin. Asst., Southern California Water Co., 1206 S. Maple Ave., Los Angeles 15, Calif. (July '46) *MP*

Walter, A. G., *see* Dunkirk Board of Water Comrs.

Walter, Herbert A., Sales Engr., Southern Pipe & Casing Co., 2024 Le Droit Drive, South Pasadena, Calif. (Apr. '48)

Walters, Grover L., Supt., Munic. Water Dept., 237 W. Commonwealth Ave., Fullerton, Calif. (Oct. '30) *M*

Walters, M. H., Cons. Engr., Alden E. Stilson & Assoc., 209 S. High St., Columbus, Ohio (Oct. '47) *PR*

Walthall, J. D., Supt., Light & Water Dept., Homer, La. (Oct. '43) *MP*

Walther, Alvin W., *see* Evansville Water Works Dept.

Walton, Graham, San. Engr., U.S. Public Health Service, 302 Kroger Bldg., Cincinnati 2, Ohio (Jan. '41) *P*

Walton Water Co., John Cranston, Supt., 127 Delaware St., Walton, N.Y. (Corp. M. Oct. '46)

Walton, Wilbur L., Water Softener Service Co., 120 S. La Salle St., Chicago 3, Ill. (Oct. '45)

Wamsley, Robert, Supt., Water Plant, Climax Molybdenum Co., Climax, Colo. (July '42) *MP*

Wang, Sigmund, Pres., Industrial Cellulose Research, Ltd., Hawkesbury, Ont. (Jan. '39) *P*

Wangaard, Oscar H., Civ. Engr., Water Works, 3145 Elliot Ave., Minneapolis 7, Minn. (Jan. '43)

Wankmuller, Jacob T., Engr., Buck, Seifert & Jost, Cons. Engrs., 112 E. 19th St., New York 3, N.Y. (Jan. '45) *P*

Wannoni, Luis, Pres., Instituto Nacional de Obras Sanitarias, Caracas, Venezuela (Jan. '47) *M*

Wantz, John F., *see* Illinois Water Treatment Co.

Wappingers Falls Dept. of Water Supply, Joseph A. Fires, Chairman, Water Com., Meiser Park Office, Wappingers Falls, N.Y. (Mun. Sv. Sub. Apr. '48)

Ward, A. Edward, San. Engr., Hamilton-Weeber, Cons. Engrs., 354-6 Houseman Bldg., Grand Rapids 2, Mich. (Jan. '48) *PR*

Ward, Clayton N., Sr. Partner, Ward & Strand, 1 W. Main St., Madison, Wis. (June '30) *PR*

Ward, Erwin J., Pres., Ada Water Co., Ada, Ohio (Oct. '45)

Ward, Harry W., Chemist, Ypsilanti Township Water Purif. Plant, 2122—1st St., Wyandotte, Mich. (Jan. '38)

Ward, Joe E., Cons. Engr., 545 Nacol Bldg., Wichita Falls, Tex. (June '26) *PR*

Ward, R. V., *see* San Bernardino County Flood Control Dist.

Ward, Sam B., Water Comr., Dillon, Mont. (Apr. '48)

Ward, Sylvester E., Supt., Somerville Water Co., Raritan, N.J. (Jan. '43) *MP*

Warde, John S., 7 Whitewood Ave., West Brighton, S.I. 10, N.Y. (May '30)
Warder, Charles, Supt. of Water Works, City Hall, Niagara Falls, Ont. (Jan. '16)
Wardle, J. McClure, *see* Hudson Dept. of Public Works
Ware, Howard T., Engr., Central Foundry Co., 221 Front St., R.D. No. 2, Vestal, N.Y. (July '35)
Waring, F. Holman, Chief Engr., Div. of San. Eng., State Dept. of Health, 306 Depts. of State Bldg., Columbus 15, Ohio (Feb. '15) *PR*
Waring, William H., Staff Mgr., Houston Dist. Transite Pipe Sec., Johns-Manville Sales Corp., Box 1415, Houston 1, Tex. (Jan. '42)
Warner, Gordon Homer, Supt., Rose City Water Dist., 4605 N.E. 60th Ave., Portland 13, Ore. (Apr. '47) *M*
Warner, J. M., Owner, Waterworks Sales Co., 200 W. 48th Ave., Denver 16, Colo. (July '35)
Warner, J. P., Mgr., Chem. Products Div., Standard Oil Co. of Louisiana, Baton Rouge, La. (Jan. '43) *M*
Warren, E. K., *see* West Lafayette Water Works Co.
Warren Foundry & Pipe Corp., John F. Benjamin, Gen. Sales Mgr., 11 Broadway, New York 4, N.Y. (Assoc. M. Mar. '11)
Warren, Herbert Clifton, Secy.-Mgr., Glendora Irrigating Co., 224 N. Michigan Ave., Glendora, Calif. (Mar. '27) *MR*
Warren, J. B., Director, Brockway Testing Labs., 19½ N. Main St., DuBois, Pa. (Apr. '30) *PR*
Warren, Moultrie Alfred, Hydr. Engr., U.S. Geological Survey, Water Resources Branch, Div. of Ground Water, 321 S. Clinton St., Iowa City, Iowa (Apr. '47) *R*
Warren, W. D. P., Pres., Warren & Van Praag, Inc., 253 S. Park St., Decatur, Ill. (Jan. '38)
Warren, W. T., Water Supt., Water Dept., City Hall, Alva, Okla. (Oct. '40)
Warrick, Louis F., State San. Engr., State Board of Health, 460 State Office Bldg., Madison 2, Wis. (Apr. '20) *Fuller Award '40. PR*
Wartelle, C. L., City Engr., City Dept., County-City Bldg., Seattle, Wash. (Apr. '39) *M*
Washburn, Edward A., Mgr., Public Utilities Com., Ingersol, Ont. (Apr. '48)
Washington Elec. & Water Dept., H. E. Thompson, Supt., Market St., Washington, N.C. (Corp. M. Jan. '47)
Washington Suburban Sanitary Com., 4017 Hamilton St., Hyattsville, Md. (Corp. M. May '30)
Washington Water Power Co., J. S. McNair, Supt., Production Plant Maint. & Constr., Box 1445, Spokane 6, Wash. (Corp. M. Nov. '30) *M*
Water & Sewage, K. J. Salmond, 341 Church St., Toronto 2, Ont. (Assoc. M. May '16)
Water & Sewage Works, E. Scranton Gillette, Publisher, Gillette Publishing Co., 22 W. Maple, Chicago 10, Ill. (Assoc. M. June '29)
Water Leak Detector Co., F. R. Gibb, Pres., 114 N. 3rd St., Columbus 15, Ohio (Assoc. M. Apr. '47)
Water Tank Service Co., L. V. Orr, Pres., 808 A Republic Bank Bldg., Dallas 1, Tex. (Assoc. M. Jan. '47)
Water Works Engineering, Karl M. Mann, Pres., 24 W. 40th St., New York 18, N.Y. (Assoc. M. June '19)
Water Works Service Co., Edward A. Geehan, Vice-Pres., 50 Broad St., New York 4, N.Y. (Corp. M. Jan. '45) *M*
Water Works Supply Co., Carroll B. Abbott, 681 Market St., San Francisco 5, Calif. (Assoc. M. Apr. '28)
Waterbury, Clarence L., Supervisor, Fuel & Water Service, Chicago, Milwaukee, St. Paul & Pacific R.R. Co., 898 Union Station, Chicago 6, Ill. (July '47) *P*
Waterford Public Utilities Com., D. A. Hill, Treas., Waterford, Ont. (Corp. M. Apr. '44) *M*
Waterloo Water Works, Warner J. Lang, Secy. & Gen. Mgr., Waterloo, Iowa (Corp. M. Apr. '41) *M*
Waterman, Earle Lytton, Prof. of San. Eng. & Head, Dept. of Civ. Eng., Univ. of Iowa, 208 Engineering Bldg., Iowa City, Iowa (Dec. '22) *Director '38–'41. Fuller Award '45.*
Waterous, Fred A., *see* Waterous Co.
Waterous Co., Fred A. Waterous, Pres., 80 E. Fillmore, St. Paul 1, Minn. (Assoc. M. Apr. '39)
Waters, Leslie W., Asst. City Engr., New York City Board of Water Supply, 194 Pike St., Port Jervis, N.Y. (July '46)
Waters, Robert J., Prin. Asst. Engr., Filtration, Bureau of Water, City Hall Annex, Philadelphia 7, Pa. (Jan. '41) *P*
Watford, Troy E., Cons. Engr., Box 661, Gadsden, Ala. (Jan. '42)
Watkins, J. S., Partner, J. Stephen Watkins, Cons. Engrs., 145 E. High St., Lexington 4, Ky. (Aug. '33)
Watkins, S. C., Engr., A. D. Harvey & S. C. Watkins, Cons. Engrs., 31 Goldy Bldg., Medford, Ore. (Jan. '48)
Watson, David J., Supt. of Bldgs. & Grounds, Clemson Agricultural College, Clemson, S.C. (Jan. '39) *P*
Watson, Frank Enos, Civ. Engr., 2nd Class, Public Works Dept., W.A., 16 Ford St., West Midland, Western Australia (Jan. '48)
Watson, G. Leland, *see* Lake Forest Water Dept.

Watson, H. G., City Engr., 102 City & County Bldg., Cheyenne, Wyo. (Oct. '38) *Fuller Award '46. MPR*

Watson, John D., Partner, Watson & Hart, Engrs., 1001 E. Bessemer Ave., Greensboro, N.C. (Apr. '47)

Watson, Kenneth S., Chem. Engr., State Water Com., 1806 Washington St., Charleston, W.Va. (Affil. Jan. '39)

Watson, W. S., Supt., Board of Public Works, Water Dept., City Hall, Hannibal, Mo. (Jan. '40) *M*

Watt, A. K., Geologist, Dept. of Mines, Parliament Bldgs., Toronto 2, Ont. (Jan. '46) *R*

Watts, M. R., Chemist-Bacteriologist, Allegheny County San. Authority, Bureau of Tests, 4501 Center Ave., Pittsburgh, Pa. (July '44) *P*

Wauwatosa, City of, H. B. Wildschut, City Engr., City Hall, Wauwatosa 13, Wis. (Corp. M. Jan. '48) *M*

Wayne County Board of County Road Comrs., A. T. Kunz, San. Engr., 3800 Barlum Tower, Detroit 26, Mich. (Corp. M. Apr. '42)

Waynesboro, City of, I. G. Vass, City Mgr., Box 640, Waynesboro, Va. (Corp. M. Oct. '44) *MPR*

Weagraff, Charles R., Water Supt., 41 Main St., Salamanca, N.Y. (July '35) *MP*

Weaklend, Walter, *see* Clarinda Water Works

Wear, Ario, *see* Bethlehem, City of

Weatherford, L. L., Supt., Atchison Water Co., Box 374, Atchison, Kan. (May '30) *M*

Weathers, J. L., Mgr., Public Works Com., Fayetteville, N.C. (Jan. '36)

Weaver, Allen Joseph, Owner, Southern Analytical Lab., Box 628, Jacksonville 1, Fla. (July '35) *P*

Weaver, E., Mgr., Public Utilities Com., Goderich, Ont. (Jan. '40)

Weaver, Herbert L., Assoc., G. W. Stephens Jr. & Assoc., 5 McCurdy Ave., Towson 4, Md. (Oct. '42) *P*

Weaver, Julian M., Chief Chemist, Froehling & Robertson, Inc., 814 W. Cary St., Richmond, Va. (Apr. '46) *MPR*

Weaver, W. H., Gen. Mgr., DeKalb County Water System, Decatur, Ga. (Jan. '38) *M*

Webb, Albert Edward, Water Works Foreman, Water Dept., Calgary Power, Ltd., Calgary, Alta. (Jan. '46) *P*

Webb, Clark D., Dist. Mgr., Pacific States Cast Iron Pipe Co., 437 S. Hill St., Los Angeles 13, Calif. (Oct. '43) *MP*

Webb, J. Bert, City Engr., Newport Beach, Calif. (Apr. '46)

Webb, J. D., *see* Birmingham Industrial Water Supply System

Webb, Winchell C., Cons. Engr., 404-6 Barnett-Madden Bldg., Jackson, Miss. (Apr. '47)

Webber, Weston L., Asst. Engr., Water Works, Santa Cruz, Calif. (Jan. '47) *MR*

Weber, Henry N., Supt., Water Dept., 5127 Oakton St., Skokie, Ill. (Jan. '48)

Weber, Robert R., Dist. Sales Mgr., Mathieson Chemical Corp., 334 Dixie Terminal Bldg., Cincinnati 2, Ohio (Apr. '43) *P*

Weber, Walter H., City Mgr., City Hall, Forest Grove, Ore. (Jan. '44)

Weber, William F., Asst. Sales Mgr., Eddy Valve Co., Waterford, N.Y. (Jan. '48) *MPR*

Webster, Fred D., Water Meter Sales, Pittsburgh Equitable Meter Div., Rockwell Mfg. Co., 25 Beale St., San Francisco 15, Calif. (Oct. '37) *R*

Webster, S., *see* Tillsonburg Public Utilities Com.

Weckwerth, H. F., Mgr., Elec. & Water Depts., Kaukauna, Wis. (June '30) *MR*

Wedeman, John D., 105 Leming St., San Antonio, Tex. (Apr. '46) *MP*

Wedemeyer, C. C., Mgr., Latrobe Borough Authority Water Dept., First National Bank Bldg., Latrobe, Pa. (Apr. '44) *M*

Weed, Frederick H., Chief of Planning Div., Dept. of Water & Sewers, Box 4821, Miami 31, Fla. (Nov. '25) *MPR*

Weed, Sam A., Engr., Drainage Div., Eng. Dept., 5961 Buena Vista Ave., Oakland, Calif. (Jan. '46)

Weekes, Claude H., *see* Fresno City Water Dept.

Weeks, Marcus D., Jr., Mech. Engr., 1531 Laurel St., Shreveport 42, La. (July '46) *PR*

Weese, Robert A., Supt., Dept. of Water & Sewers, Oceanside, Calif. (Oct. '40) *M*

Weidlein, Edward R., Director, Mellon Inst., 4400—5th Ave., Pittsburgh 13, Pa. (June '24) *P*

Weidner, Hayes, Supt. of Water & Sewers, 516 N. Leroux St., Flagstaff, Ariz. (July '32)

Weigand, George A., Chief Engr., Dept. of Water & Sewers, Box 4821, Miami 31, Fla. (Oct. '42) *M*

Weight, Walter O., Dist. Mgr., Hersey Mfg. Co., 450 E. 3rd St., Los Angeles 13, Calif. (Jan. '42) *MPR*

Weimar, City of, Thomas E. Hinton, City Mgr., Box 217, Weimar, Tex. (Corp. M. July '46) *M*

Weinberger, Leon W., Research Asst. Dept. of Civ. & San. Eng., Massachusetts Inst. of Technology, Cambridge 39, Mass. (Jr. M. Oct. '47)

Weiner, Daniel J., San. Engr., 151 Benita Ave., Youngstown 4, Ohio (July '46) *MPR*

Weinhold, George A., Dist. Mgr., The Permutit Co., 720 F. B. Bldg., Detroit, Mich. (Jan. '47) *PR*

Weir, F. Morley, Div. Engr., Wallace & Tiernan Sales Corp., 12 Minna St., San Francisco, Calif. (July '46)

Weir, H. McI., City Mgr., City Hall, Saskatoon, Sask. (Apr. '47)

Weir, John J., Sales Mgr., The Lansdell Co., 95 Zabriskie St., Hackensack, N.J. (Affil. Jan. '39)

Weir, Kenneth J., Chief Engr., W-M Corp., 608 S. Dearborn St., Chicago 5, Ill. (Jan. '44)

Weir, Paul, Gen. Mgr., Water Dept., 1210 Hemphill Ave., N.W., Atlanta, Ga. (Dec. '29) *Fuller Award '40. Goodell Prize '41. Director '43–'46. MP*

Weir, T. J., Sales Repr., Crane Co., 321 E. 3rd St., Los Angeles 54, Calif. (Jan. '41)

Weir, W. Victor, Pres., St. Louis County Water Co. & Missouri Water Co., 6600 Delmar Blvd., University City 5, Mo. (July '24) *Diven Medal '40. Fuller Award '43. Director '46–'49. M*

Weir, William Hugh, Engr., State Dept. of Public Health, 245 State Office Bldg., Atlanta, Ga. (Dec. '24) *Director '34–'37. Fuller Award '48. PR*

Weisbeck, R. J., Secy., Board of Water Comrs., Alden, N.Y. (Apr. '47)

Weiser, S. Kenneth, *see* Kenwell Corp.; *also* Natural Gas Equipment, Inc.

Weiss, Fred, Foreman, Dept. of Water & Power, Box 512, Van Nuys, Calif. (July '44)

Weiss, Rudolph H., Engr., State Health Dept., 1512 North St., Kerrville, Tex. (Jan. '43) *M*

Weitzel, William H., Service Engr., Calgon, Inc., 2411 Book Bldg., Detroit, Mich. (Jan. '47) *P*

Welch, Donald L., 1250 W. 83rd St., Chicago 20, Ill. (Apr. '43) *PR*

Welch, M. G., Mech. Engr., Water Com., City Hall, Newport News, Va. (Oct. '43) *M*

Welch, W. A., Industrial Chemical Sales Div., West Virginia Pulp & Paper Co., 748 Public Ledger Bldg., Philadelphia 6, Pa. (Jan. '36) *P*

Welday, Chapline F., Asst. Engr., Havens & Emerson, 1140 Leader Bldg., Cleveland 14, Ohio (Jan. '48) *PR*

Weldon Water Dept., Town of, U. Bixby Pierce, Supt., Weldon, N.C. (Corp. M. Jan. '43) *P*

Welker, Leland A., Supt., Munic. Board, 2 Maiden Lane, Penn Yan, N.Y. (Apr. '45) *MP*

Welker, M. C., Sales Supervisor, Ion-Exchange Products Dept., American Cyanamid Co., 30 Rockefeller Plaza, New York 20, N.Y. (Jan. '47)

Well Machinery & Supply Co., W. B. Brown, 1629 Main St., Forth Worth, Tex. (Assoc. M. July '39)

Welland Board of Water Comrs., J. C. Street, Mgr., Welland, Ont. (Corp. M. May '20)

Wellington, City of, Bura O. Handley, City Engr., Water & Sewer Depts., City Hall, Wellington, Tex. (Corp. M. Oct. '45)

Wells, Bert H., *see* Coca-Cola Co., The

Wells, C. C., Pres., Culligan Soft Water Service of Denver, 1800 S. Broadway, Denver 10, Colo. (Jan. '47)

Wells, C. Kenyon, Div. Engr., Water Dept., 403 Municipal Utilities Bldg., Long Beach 2, Calif. (Oct. '44) *MP*

Wells, Charles E., *see* Albuquerque, City of

Wells, Harold M., Water Purif. Engr., Water Works, 1210 Hemphill Ave., N.W., Atlanta, Ga. (Oct. '44) *P*

Wells, Sidney Wilson, San. Engr. III, Bureau of San. Eng., State Board of Health, Box 210, Jacksonville 1, Fla. (Apr. '37) *PR*

Wells, W. Plummer, Supt., Filtration Plant, Water Dept., 1110 N. Washington St., Aberdeen, S.D. (July '39) *MP*

Welmon, William C., Secy. & Chief Acctg. Officer, Southern California Water Co., 1206 S. Maple Ave., Los Angeles 15, Calif. (Oct. '43) *M*

Welp, E. W., *see* Graver Tank & Mfg. Co., Inc.

Welsbach Corp., The, Ozone Processes Div., Stanley Jenks, Director of Trade Relations, 1500 Walnut St., Philadelphia 2, Pa. (Assoc. M. Jan. '40)

Welsch, W. Fred, *see* Nassau County Dept. of Public Works

Welsford, Henry Reed, Prin. Asst. San. Engr., Bureau of Water, 1642 N. 61st St., Philadelphia 31, Pa. (Apr. '27) *MP*

Welsh, J. V., Service Engr., Owens-Corning Fibreglas Corp., 3445 W. 8th St., Los Angeles 5, Calif. (Oct. '46)

Wendell, Raymond T., Div. Mgr., Maine Div., Water Utilities Service Corp., Water St., Skowhegan, Me. (Apr. '44) *M*

Wenger, E. C., *see* Portland Cement Assn.

Wenger, F. E., Mgr., Russell & Axon, 408 Olive St., St. Louis 2, Mo. (Jan. '41) *MPR*

Wenger, Harry V., Sr., Pres., Dirigo Compass & Instrument Co., Boeing Field, Seattle 8, Wash. (Apr. '43)

Wenger, John Harold, Supt.-Chemist, Water & Sewage Dept., Westerville, Ohio (July '44) *P*

Wentworth, John P., 569 Fellsway E., Malden 48, Mass. (July '26)

Wenzel, William J., Cons. Engr., 409—1st Ave., S.W., Great Falls, Mont. (Apr. '44) *P*

Weom, L. A., *see* Fairbanks, Morse & Co.
Werner, Bernard L., Prin. Assoc. Engr., Bureau of Water Supply, 507 Municipal Bldg., Baltimore 2, Md. (Oct. '46)
Werner, Gustave G., Jr., Malcolm Pirnie Engrs., 25 W. 43rd St., New York 18, N.Y. (Jan. '46)
Werth, Conrad Walter, Supt. of Filtration, Board of Water Comrs., Box 629, Denver 11, Colo. (Jan. '36) *P*
Wertz, C. F., Resident Engr., Dept. of Water & Sewers, Box 4821, Miami 31, Fla. (Mar. '24) *Fuller Award '47. PR*
Wertz, Emerson D., Cons. Engr., Emerson D. Wertz & Assoc., 116½ E. High St., Bryan, Ohio (Jan. '47) *MPR*
Wesby, Vernon L., Chief Engr., Utilities Operating Dept., Electro-Motive Div., General Motors Corp., LaGrange, Ill. (July '45) *MP*
Wesson, Clyde A., Mgr. & Vice-Pres., Sunny Slope Water Co., 1040 El Campo Drive, Pasadena 10, Calif. (Oct. '47)
West, Ezra E., Supt., Munic. Utilities, City Hall, Colton, Calif. (July '48)
West, George H., Water Plant Supervisor, Gulf States Utilities Co., Drawer 892, Lake Charles, La. (Jan. '45) *PR*
West, George M., *see* Sayre Water Co.
West, Merrill L., Chief Operator, Water Purif. Plant, 1205 Wateree St., Kingsport, Tenn. (July '48)
West, Vernon F., Consumers Water Co., Box 151 Pearl St. Station, Portland 6, Me. (June '14)
West, William L., *see* Automatic Control Co.
West Columbia Water & Sewer Depts., J. R. Garrett, City Mgr., Box 303, West Columbia, Tex. (Corp. M. Jan. '46)
West Lafayette Water Works Co., E. K. Warren, Secy.-Treas., West Lafayette, Ind. (Corp. M. Apr. '34)
West Palm Beach Water Co., Ralph W. Reynolds, Supt., Box 1311, West Palm Beach, Fla. (Corp. M. Apr. '30)
West University Place, City of, J. L. Williams, City Engr., Dept. of Water, 3800 University Blvd., Houston 5, Tex. (Corp. M. Jan. '47)
West Virginia Public Service Com., Eng. Dept., Earle H. Morris, Chief Engr., State House, Charleston 5, W.Va. (Mun. Sv. Sub. Apr. '39)
West Virginia Pulp & Paper Co., *see* Industrial Chemical Sales Div.
West Virginia State Health Dept., Miss K. E. Cox, Director of Lab., Hygienic Lab. Div., 1812 McClung St., Charleston 5, W.Va. (Corp. M. Jan. '45) *P*
Westbury Water Dist., Leroy Ebright, Supt., 160 Drexel Ave., Westbury, N.Y. (Corp. M. Jan. '43) *M*
Westchester County Dept. of Health, Richard M. McLaughlin, Director, Div. of Sanitation, County Office Bldg., White Plains, N.Y. (Corp. M. Dec. '30) *MPR*
Westchester Joint Water Works No. 1, Owen A. Mandeville, Chairman, Board of Trustees, Box 660, Mamaroneck, N.Y. (Corp. M. Jan. '48)
Western City Magazine, Winston R. Updegraff, Editor & Mgr., 458 S. Spring St., Los Angeles 13, Calif. (Assoc. M. Sept. '29)
Western Water Works Supply Co., M. B. Duke, Vice-Pres. & Gen. Mgr., 2600 San Fernando Rd., Los Angeles 41, Calif. (Assoc. M. July '48)
Westfahl, Everett, Supt., City Water Works, Neenah, Wis. (Jan. '44) *P*
Westinghouse Elec. Corp., M. F. Slusser, Mgr., Constr. & Communication Sec., Indus. Sales Dept., 10-L, 700 Braddock Ave., East Pittsburgh, Pa. (Assoc. M. Jan. '48)
Westmoreland, Wesley, Jr., Southwestern Sales Mgr., McWane Cast Iron Pipe Co., 1501 Mercantile Bank Bldg., Dallas 1, Tex. (Jan. '43)
Weston, Arthur Daniels, Chief San. Engr. & Director, Div. of San. Eng., State Dept. of Public Health, 511A State House, Boston 33, Mass. (July '31) *PR*
Weston, Roy F., San. Engr., Waste Control Lab., Atlantic Refining Co., Philadelphia 45, Pa. (July '37) *PR*
Westrate, Millard C., *see* Holland Board of Public Works
Whaley, W. J., Supt., Water Purif., R.F.D. 7, Greenville, S.C. (Apr. '44) *P*
Wharton Board of Public Works, Leo A. Mulligan Sr., Supt., Water Dept., 18 W. Central Ave., Wharton, N.J. (Corp. M. July '43)
Whatcom County Water Dist. No. 2, Bruce Coulthurst, Secy., 1234 Marine Drive, Bellingham, Wash. (Corp. M. Jan. '48) *M*
Wheatly, William D., Chief Chemist, Works 9, Tank Dept., Pittsburgh Plate Glass Co., Crystal City, Mo. (Jan. '45) *P*
Wheeden, H. Ford, Office Engr., Baltimore County Metropolitan Dist., Towson 4, Md. (July '42) *MR*
Wheeler, Robert C., Barker & Wheeler, Engrs., 36 State St., Albany 7, N.Y. (Oct. '14) *MPR*
Wheeler, W. W., Cons. Engr., Cochrane, Fell & Wheeler, 811 Palace Bldg., Tulsa 3, Okla. (Jan. '47) *MPR*
Wheelin, James L., Sales Dept., Neptune Meter Co., 50 W. 50th St., New York 20, N.Y. (July '47)
Whelchel, H. E., City Engr., College Park, Ga. (Nov. '30) *MP*
Whiddon, Edwin L., Supt., Water Dept., Eagle Lake, Tex. (Oct. '46) *M*

Whipple, Melville C., Assoc. Prof. of San. Chemistry, Harvard Graduate School of Eng., 222 Pierce Hall, Cambridge 38, Mass. (May '22) *P*

Whisler, Benjamin A., Head, Civ. Eng. Dept., Pennsylvania State College, State College, Pa. (Oct. '46)

Whisler, J. H., Engr., S. Morgan Smith Co., Valve Div., Hartley & Lincoln Sts., York, Pa. (Jan. '48)

Whitaker, M. B., *see* Knoxville Utilities Board

Whitby Public Utility Com., H. L. Pringle, Supt., Munic. Water Works Dept., Whitby, Ont. (Corp. M. Feb. '24) *M*

White, Charles William, Asst. San. Engr., State Dept. of Public Health, 519 Dexter Ave., Montgomery 4, Ala. (Jan. '41) *P*

White, Clyde, Supt., Water Dept., Wink, Tex. (Jan. '44) *M*

White, Edwin Keith, Chief Engr., Water Dept., Elec. & Water Board, Route 2, Box 2, Frankfort, Ky. (July '48)

White, Eldon L., Supt., Streets & Water, 320 S. Kansas Ave., Olathe, Kan. (July '46)

White, Ensley M., Supt., Public Works, 15 St. Nicholas Pl., Red Bank, N.J. (July '37)

White, George C., Dist. Mgr., Wallace & Tiernan Sales Corp., 12 Minna St., San Francisco 5, Calif. (Jan. '43) *P*

White, George W., Engr., 208 Montgomery Bldg., Spartanburg, S.C. (Dec. '24) *P*

White, George W., Engr., Mueller Co., 1226 N. Water St., Decatur, Ill. (Oct. '46)

White, Guy Haywood, Supt., Water Works Plant, Water Dept., Columbia 2, S.C. (Nov. '25) *Fuller Award '38. Director '40–'43. MP*

White, Herbert L., Supt. of Sanitation & Safety, Univ. of Illinois, 200 P.P. Service Bldg., Urbana, Ill. (Jan. '32) *M*

White, Ira E., Supt., Water Dept., Municipal Bldg., Parsons, Kan. (Jan. '45) *M*

White, Lawrence S., Bacteriologist, Dept. of Public Health Lab., R. C. Harris Filtration Plant, Queen St., E. & Nursewood Rd., Toronto, Ont. (Jan. '43) *P*

White Plains Dept. of Public Works, William I. Collyer, Deputy Comr. of Public Works, White Plains, N.Y. (Corp. M. July '16)

White, Walter F., Jr., Chemist, Water Resources Branch, U.S. Geological Survey, Washington 25, D.C. (Jan. '45) *MPR*

White, William W., Director, Div. of Public Health Eng., State Health Dept., Box 719, Reno, Nev. (July '37) *P*

Whitehair, Thomas E., Elmhurst Contracting Co., Caonabo 36, Ciudad Trujillo, Dominican Republic (Oct. '45)

Whitehead, Robert T., Salesman, Mueller Co., 6229 Juniata Ave., St. Louis 9, Mo. (Oct. '44) *P*

Whitfield, Leonard Fairfax, Supervisor, Process Development, Eng. & Development Div., Imperial Oil, Ltd., Sarnia, Ont. (Apr. '46) *P*

Whitley, F. H., Lt. Col., MSC, San. Engr., Office of the Surgeon, Headquarters 1st Army, Governors Island, New York 4, N.Y. (Jan. '39) *P*

Whitlock, C. B., Mgr., West Virginia Water Service Co., Madison, W.Va. (July '35)

Whitlock, Ernest W., Partner, Malcolm Pirnie Engrs., 25 W. 43rd St., New York 18, N.Y. (May '30) *MPR*

Whitman, Earl Roger, Civ. Eng. Assoc., Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Oct. '35)

Whitman, Ezra R., Partner, Whitman, Requardt & Assoc., 1304 St. Paul St., Baltimore 2, Md. (Apr. '10) *P*

Whitmire, G. W., *see* Whitmire Tank Co.

Whitmire Tank Co., Inc., G. W. Whitmire, Vice-Pres., Box 6063, Jacksonville 5, Fla. (Assoc. M. Apr. '48)

Whitson, M. T. B., Chief Engr. & Mgr., Water Works Joint Board, Town Hall Chambers, Ashton-under-Lyne, Lancashire, England (Oct. '44)

Whittaker, A. R., *see* Pittsburgh Equitable Meter Div.

Whittaker, Harold Arthur, Prof. of Public Health Eng., School of Public Health, Univ. of Minnesota, Minneapolis 14, Minn. (June '13) *PR*

Whittier, City of, M. R. Bowen, City Water Supt., City Hall, Whittier, Calif. (Corp. M. Dec. '26) *M*

Whyman, Lucy T. (Mrs.), Owner & Mgr., Whyman Water Works, Box 306, Tolleson, Ariz. (Jan. '48)

Whysall, Charles C., Chemist, Marion Water Co., Marion, Ohio (July '44)

Whyte, J. S., *see* Fairview County Water Dist.

Wichelman, Ed., Supt. of Meters, Water Works, 1431 Ripley St., Davenport, Iowa (Apr. '47)

Wichita, City of, Eugene N. Smith, Director of Service, 205 City Bldg., Wichita 2, Kan. (Corp. M. Jan. '40) *M*

Wicke, Henry A., Asst. Chief Engr., Board of Water Supply, Honolulu 4, Hawaii (Jan. '47) *M*

Wickham, Roland B., Supt., Service Div., West Point Mfg. Co., Langdale, Ala. (July '38) *MP*

Widsteen, P. E., Supt., Water & Light Com., 809 Broad St., Menasha, Wis. (July '43) *MP*

Wiedeman, H. F., Partner, Wiedeman & Singleton, Engrs., 1303 Citizens & Southern Bank Bldg., Atlanta, Ga. (Mar. '25) *Director '31-'34. P*

Wieghardt, George F., Chief Engr., Hackensack Water Co. and Spring Valley Water Works & Supply Co., 1337 Dickinson Rd., West Englewood, N.J. (Mar. '24) *MR*

Wiel, Kurt, City Engr. & Water Supt., Miles City, Mont. (Feb. '34) *M*

Wieters, A. H., Director, Div. of Public Health Eng. & Indus. Hygiene, State Dept. of Health, Des Moines 19, Iowa (Nov. '21) *PR*

Wiggin, Thomas H., Cons. Engr., 90 Broad St., New York 4, N.Y. (May '22) *Goodell Price '40. Honorary M. '44. PR*

Wiggins, J. M., Well Driller Contractors, Plymouth, Fla. (Jan. '47)

Wightman, Fredrick Carman, Cons. Engr., 19 Rupert St., Amherst, N.S. (July '38)

Wigley, M. R., *see* North Mankato Water Dept.

Wilberding, M. X., Vice-Pres. & Engr.-in-Charge, Mountain State Water Co. of West Virginia, 1822 Eye St., N.W., Washington 6, D.C. (June '30) *M*

Wilborn, Z. M., *see* South Boston, Town of

Wilbur, Conrad C., Mgr., Scranton Office, Gannett Fleming Corddry & Carpenter, Inc., 205 Bowman Bldg., Scranton 10, Pa. (Feb. '24)

Wilcox, Gilbert L., City Mgr., Dover, Del. (Oct. '45)

Wild, Harry E., Chief Engr., Russell & Axon, Inc., Cons. Engrs., Box 1431, Daytona Beach, Fla. (July '46) *PR*

Wilder, G. H., Operator, Water Works, 514 S. Broadway, Medina, Ohio (Apr. '43) *P*

Wildschut, H. B., *see* Wauwatosa, City of

Wilensky, Oscar R., Counsel, North Jersey Dist. Water Supply Com., Wanaque, N.J. (Apr. '44)

Wiley, John S., San. Engr. in Charge, Typhus Control Branch, Eng. Div., Communicable Disease Center, U.S. Public Health Service, 605 Volunteer Bldg., Atlanta 3, Ga. (July '43) *P*

Wiley, Ralph B., Head, School of Civ. Eng. & Eng. Mechanics, Purdue Univ., Lafayette, Ind. (Apr. '34) *PR*

Wiley, Richard E., *see* Hillsboro Utilities Com.

Wilfong, Stanley A., Civ. Eng. Asst., Dept. of Water & Power, Field Eng. Div., 856 Hill St. Bldg., Los Angeles, Calif. (Oct. '47)

Wilke, Harvey Robert, Dist. Public Health Engr., State Div. of Health, Washington, Mo. (Jan. '43)

Wilkens, Henry, Jr., *see* Galveston Water Works & Sewerage Dept.

Wilkes, E. Dean, Mgr., Control & Metering, Ltd., 454 King St., W., Toronto 1, Ont. (July '41)

Wilkes, John Frederick, Tech. Director, Railroad Dept., Dearborn Chemical Co., 310 S. Michigan Ave., Chicago 4, Ill. (Oct. '37) *PR*

Wilkins, George F., Eng. Service Div., General Chemical Div., Allied Chemical & Dye Corp., 235 Montgomery St., San Francisco 4, Calif. (Jan. '40) *PR*

Wilkins, Gerald D., City Mgr., 130 W. 6th St., Newton, Kan. (Jan. '48)

Wilkins, Jay B., Jr., Water Supt., Nederland, Tex. (Jan. '47)

Wilkinson, E. N., Town Mgr., Franklin, Va. (Oct. '47) *R*

Will, Edgar G., Chemist, State Dept. of Health, Columbus, Ohio (Jan. '46) *P*

Willard, Ernest C., Cons. Engr., Public Service Bldg., Portland 4, Ore. (Oct. '14)

Willey, Frank E., Production Engr., Water Dept., Topeka, Kan. (Jan. '45) *MPR*

Willey, Kenneth L., Water Supt., City Water Dept., Blaine, Wash. (Apr. '47)

Williams, C. C., Supt., Water & Light Dept., Box 674, Bloomington, Ill. (Jan. '48)

Williams, Charles Harvey, Asst. Engr., A. K. Stillman, Civ. Engr., 201 Chambers Bldg., Olympia, Wash. (July '34) *MPR*

Williams, Chesley L., *see* Firestone Tire & Rubber Co.

Williams, Clyde E., Engr., Clyde E. Williams & Assoc., 312 W. Colfax Ave., South Bend 7, Ind. (July '37) *P*

Williams, D. McGregor, *see* Durham Water & Sewer Dept.

Williams, Donald B., In Charge of Purif., Public Utilities, Water Works Lab., Brantford, Ont. (July '47) *P*

Williams, Fred, c/o C. A. Meadows & Assoc., Engrs. House, 4 Grange Rd., Toronto, Ont. (Apr. '46) *MP*

Williams, Fred F., Supt., Munic. Elec. Dept., Chanute, Kan. (Jan. '40) *MP*

Williams, G. G., *see* Gravenhurst Elec. Light & Water Com.

Williams, George, Mgr.-Treas., Honesdale Cons. Water Co., Box 307, 109—7th St., Honesdale, Pa. (July '36) *MP*

Williams, H. J., Gen. Supt., Water & Elec. Plant, 149 E. 3rd St., Carthage, Mo. (Jan. '44) *M*

Williams, H. Leonard, Foreman, Water Dept., 400 Indiana St., Lawrence, Kan. (July '48)

Williams, Irvin C., Supt., Water Dept., Refugio, Tex. (Jan. '46) *M*

Williams, J. L., *see* West University Place, City of

Williams, Johnie E., 1505—4th St., Brownwood, Tex. (Apr. '47)

Williams, Leon G., Hydr. & San. Engr., Jones & Henry, Cons. Engrs., 821 Security Bldg., Toledo 4, Ohio (July '38) *MP*

Williams, Leonard O., Jr., Director, Div. of Public Health Eng. & Sanitation, State Dept. of Public Health, State Capitol, Cheyenne, Wyo. (Jan. '36) *Fuller Award '43. P*

Williams, LeRoy, Sales Dept., The Permutit Co., 330 W. 42nd St., New York 18, N.Y. (Jan. '48)

Williams, R. O., Plant Supt., Lake Clinton, Foss, Okla. (Oct. '39)

Williams, Raymond, *see* Neches Butane Products Co.

Williams, Stanley N., Engr. with Clyde Potts, Cons. Engr., 30 Church St., New York 7, N.Y. (July '36) *P*

Williams, Whitfield, Supt. of Filtration, Water Dept., R.F.D. No. 2, Fredericksburg, Va. (Jan. '43)

Williams, Willfred B., Pres., Williams & Works, Court House, Grand Rapids, Mich. (Jan. '48)

Williams, William D., 550 W. Vermont Ave., Phoenix, Ariz. (Apr. '43)

Williams, William L., Asst. Supt. of Purif., Louisville Water Co., Louisville 2, Ky. (Apr. '47)

Williamson, Alfred Edward, Jr., Cons. Engr., Russell & Axon, Inc., Munic. Airport, Daytona Beach, Fla. (Jan. '48) *MPR*

Williamson, Cliff T., *see* Macon Board of Water Comrs.

Williamson, Edward, Supt., Downey County Water Dist., 8244 E. 2nd St., Downey, Calif. (Oct. '39)

Williamson, James E., Repr., Mueller Co., New York Branch, 62 Patterson Ave., Hempstead, N.Y. (July '43)

Williamson, Joe, Jr., Vice-Pres., Russell & Axon, Inc., Cons. Engrs., Box 1548, Daytona Beach, Fla. (July '40)

Williamson, R. C., Vice-Pres., Alchem Ltd., Burlington, Ont. (July '37) *P*

Williamson, Robert, Jr., Chief Engr., Metal Products Eng. Corp., Box 252, Charleston 21, W.Va. (Apr. '45)

Williamson, Robert W., Mgr. & Treas., Water System, 212 W. 7th St., Columbia, Tenn. (Oct. '41) *M*

Williams-Smith, Francis Thomas, Secy., Central Water Distr. Authority, Valsyn St. Joseph, Trinidad, B.W.I. (Jan. '48) *M*

Willian, Robert T., Mgr., South Willamette St. Water Supply Dist., 78 E. 32nd St., Eugene, Ore. (Jan. '48)

Willis, Jack, Supt., Sylvan Water Dist., 2929 S.W. West Slope Drive, Portland 1, Ore. (Jan. '47) *M*

Willis, Morris B., *see* Iola Water Works

Willis, W. Dean, *see* Black Mountain, Town of

Willis, Willet R., Chemist & Bacteriologist, 1343 N. Nevada Ave., Colorado Springs, Colo. (July '38) *P*

Williston Park, Inc. Village of, R. Kent, Clerk, 494 Willis Ave., Williston Park, N.Y. (Mun. Sv. Sub. Oct. '43)

Willke, Julian L., *see* San Antonio Machine & Supply Co.

Willms, Paul Otto, Partner, J. A. Castilla y Cia., Box 99, Mexico, D.F., Mexico (Oct. '46)

Wills, Irvin A., Bacteriologist, John Brown Univ. & City of Siloam Springs, Siloam Springs, Ark. (July '46)

Wills, W. Compton, Mgr. & Chief Engr., Water Dept., 16th & Market Sts., Wilmington 99, Del. (July '26) *M*

Willson, Richard C., Supt., Water Dept., City Hall, Hagerstown, Md. (Oct. '41) *MP*

Wilmington Water & Sewerage Dept., W. F. Evans Jr., Supt., City Hall, Wilmington, N.C. (Corp. M. July '45) *MR*

Wilmot, W. G., Water Supt., City Hall, McMinnville, Ore. (Apr. '44)

Wilsey, E. P., *see* Hillsborough Water Dept.

Wilson, Albert E., Jr., San. Engr., U.S. Naval Amphibious Base, U.S. Atlantic Fleet, Little Creek, Va. (Jan. '41) *P*

Wilson, C. F., *see* Corning Water Dept.

Wilson, Carl, Cons., Water Quality & Treatment, 124 W. 6th St., Los Angeles 14, Calif. (June '28) *P*

Wilson, E. J. F., Wiley & Wilson, Cons. Engrs., 908 Peoples National Bank Bldg., Lynchburg, Va. (Apr. '36)

Wilson, Edward F., Chemist, State Board of Health, Capitol Ground, Little Rock, Ark. (Oct. '47)

Wilson, Glenn L., Owner, Central Heights Water System, Route 1, Globe, Ariz. (Oct. '47)

Wilson, H. K., 2126—14th St., S., St. Petersburg 7, Fla. (July '45) *M*

Wilson, J. B., Cons. Engr., 10 W. Ohio, Indianapolis 4, Ind. (Jan. '39) *P*

Wilson, Jack H., Engr., Munic. Water Works, Robinson Memorial Auditorium, Little Rock, Ark. (Jan. '42) *M*

Wilson, James F., Sr. Utilities Engr., California Public Utilities Com., 708 State Bldg., Los Angeles 12, Calif. (Jan. '45) *MPR*

Wilson, John Edward, San. Engr., Ontario Dept. of Health, 807 Richmond St., W., Toronto, Ont. (Apr. '48)

Wilson, John R., City Mgr., City Hall, Odessa, Tex. (Oct. '46)

Wilson, Lawrence F., *see* Lapp Insulator Co., Inc.

Wilson, Michael O., Water Plant Supt., Water Dept., 715 E. Scott St., Gainesville, Tex. (Oct. '46)

Wilson, Murray A., Cons. Engr., Wilson & Co., Engrs., 223 N. Santa Fe Ave., Salina, Kan. (July '39) *R*

Wilson, Norman E., Mgr., Public Utilities Com., Amherstburg, Ont. (July '41) *M*

Wilson, Owen, Engr., Metropolitan Water Dist., 306 W. 3rd St., Los Angeles 13, Calif. (Oct. '43)

Wilson, Percy S., 325 Washington St., Glen Ridge, N.J. (July '26) *Fuller Award '45. MPR*

Wilson, Ralph D., Partner, Wilson & Anderson, Cons. Engrs., Box 427, Champaign, Ill. (Apr. '44) *P*

Wilson, Robert T., Repr., *Water & Sewage Works*, Gillette Publishing Co., 22 W. Maple St., Chicago 10, Ill. (July '47)

Wimer, C. F., Supt., Water Dept., Hastings, Minn. (Apr. '42)

Winder, John B., Chief Engr., Water Works & Sewage System, 5210 Bradford Drive, Dallas 9, Tex. (Oct. '35) *Director '36–'39. MPR*

Winder, Norman G., San. Engr., T. C. Forrest Jr., Cons. Engr., Praetorian Bldg., Dallas 1, Tex. (Oct. '39)

Windfelder, Walter, Supervisor, Div. of Water Assessments & Collection, Water Works, City Hall, Milwaukee 2, Wis. (Jan. '42)

Windsor Utilities Com., S. H. Gillett, Secy.-Treas., 607 Canada Bldg., Windsor, Ont. (Corp. M. Apr. '31) *M*

Wine, J. R., Jr., *see* Helena Water Dept.

Winfree, W. W., *see* Glamorgan Pipe & Foundry Co.

Winkley, John M., Supt., Water Works, Monon, Ind. (Apr. '46)

Winlack, Donald, Dist. Mgr., California Water Service Co., 1920 Eye St., Bakersfield, Calif. (Jan. '47) *M*

Winona Board of Munic. Works, H. C. Ahrens, Secy., Winona, Minn. (Corp. M. Dec. '22) *M*

Winslow, Edward L., Jr., 315 Hampton Pl., Hinsdale, Ill. (Apr. '30)

Winslow, F. L., Secy. & Treas., Plainfield-Union Water Co., Plainfield, N.J. (July '35)

Wintermute, Roy L., *see* LaGrange Park, Village of

Winters, Daniel L., Chemist, Gulf Public Service Co., Inc., New Iberia, La. (Oct. '45)

Wintgens, P. J., Supt., Water Dept., Ford City, Pa. (July '35)

Wintz, Edward R., Mgr., Conduit Construction Co., 3510 Peralta St., Oakland 8, Calif. (Oct. '40)

Wirth, Harvey E., Sr. Asst. San. Engr., Bureau of San. Eng., State Board of Health, 458 State Office Bldg., Madison 2, Wis. (Jan. '41) *PR*

Wirtz, George L., Pres., Atlas Mineral Products Co., Mertztown, Pa. (Oct. '38)

Wirz, Herman, Jr., Field Supt., Dept. of Water & Power, 3330 Mary St., La Crescenta, Calif. (Oct. '43) *M*

Wise, William R., Mgr. & Engr., Comrs. of Public Works, Box 333, Newberry, S.C. (Apr. '38) *MPR*

Wisely, W. H., Exec. Secy.-Editor, Federation of Sewage Works Assns., 325 Illinois Bldg., Champaign, Ill. (Jan. '46) *R*

Wiseman, J. W., Supt., Pumping Plant, Floresville, Tex. (Affil. Jan. '46) *M*

Wittichen, Carl, Pres., Wittichen Chemical Co., 1609 S. 2nd Ave., Birmingham, Ala. (Jan. '48) *P*

Wittman, H. W., Pres., Suburban Pump & Water Co., 20 E. Jefferson St., Phoenix, Ariz. (Jan. '48)

Wittmer, Earl F., San. Engr., State Welfare Dept., 506 Mt. Vernon Ave., Marion, Ohio (Oct. '47) *P*

Witty, T. E., Supt. of Plants, Thomasville, N.C. (July '40)

Wolcott, Herbert, Water Engr., Wolcottwood, R.F.D. 6, Columbia, Mo. (Jan. '39) *P*

Wolcott, Village of, George E. Mason, Treas., Water Dept., Wolcott, N.Y. (Corp. M. Jan. '47)

Wolf, Harold W., Student, Univ. of Iowa, 113 Riverside Park, Iowa City, Iowa (Jr. M. Apr. '48)

Wolfe, Edward E., Tech. Director, Western Chemical Co., 713 Washington St., Kansas City 6, Mo. (Apr. '22) *P*

Wolfe, Thomas F., Engr., Cast Iron Pipe Research Assn., 122 S. Michigan Ave., Chicago 3, Ill. (Mar. '22) *M*

Wolfe, Watson, Plant Operator, 279 Koutren St., Nelsonville, Ohio (Oct. '46)

Wolfenbarger, H. C., New Tazewell, Tenn. (July '46) *MP*

Wolff, Richard E., Cons. Civ. Engr., 1506 Smith Tower, Seattle 4, Wash. (Apr. '48) *MPR*

Wolff, William R., Assoc. Hydr. Engr., Public Service Com., 233 Broadway, New York 7, N.Y. (Mar. '30) *PR*

Wolman, Abel, Prof. of San. Eng., Johns Hopkins Univ., Baltimore 18, Md. (Mar. '18) *Editor '22–'37. Diven Medal '37. Director '39–'42, '43–'44. Vice-Pres. '42. President '43. Honorary M. '48. MPR*

Woltmann, J. J., Cons. Engr., 314 Unity Bldg., Bloomington, Ill. (May '23) *Director '45–'48. MPR*

Wood, A. Baldwin, Gen. Supt., Sewerage & Water Board, 526 Carondelet St., New Orleans 12, La. (Jan. '39) *MPR*

Wood, Alan A., Wood & Preuit Co., 1740 K St., N.W., Washington 6, D.C. (Jan. '44) *P*

Wood, Frank B., Engr. (San.) P-5, Chief of San. Eng. Sec., Office of Pres., Mississippi River Com., Corps of Engrs., Dept. of the Army, Vicksburg, Miss. (Oct. '42) *P*

Wood, Hubert W., Water Supt., Box 69, Alvin, Tex. (Jan. '46) *M*

Wood, Hugh M., *see* Ventura City Water System

Wood, J. E., Supt., Com. of Public Works, 14 Farr Ave., Union, S.C. (Apr. '44) *P*

Wood, J. G., Mgr., Texarkana Water Corp., 300 State Line Ave., Texarkana, Ark. (July '43) *M*

Wood, James, Asst. Civ. Engr., Neversink Div., Watershed Dept., New York City Board of Water Supply, Box 11, Neversink, Sullivan County, N.Y. (Apr. '37) *MPR*

Wood, John Noel, *see* Sheffield Corp. Water Works

Wood, Leonard P., 118 Ralph Ave., White Plains, N.Y. (Mar. '24) *Diven Medal '34.*

Wood, R. D., Co., Theodore V. Wood, Vice-Pres. & Gen. Sales Mgr., 1072 Public Ledger Bldg., Independence Square, Philadelphia 5, Pa. (Assoc. M. Apr. '84)

Wood, Theodore V., Vice-Pres. & Gen. Sales Mgr., R. D. Wood Co., Public Ledger Bldg., Independence Square, Philadelphia 5, Pa. (Apr. '30)

Wood, Thomas, Clerk, Borough of Pompton Lakes Water Dept., 9 Center St., Pompton Lakes, N.J. (Apr. '43)

Woodburn, James G., Prof. of Hydr. Eng., Univ. of Wisconsin, 211 N. Prospect Ave., Madison 5, Wis. (Oct. '41)

Woods, George R., *see* Stokvis, R. S., & Sons, Inc.

Woods, W. G., Secy-Treas., Public Utility Com., Waterloo, Ont. (July '48)

Woodson, Riley D., Prin. Asst. Engr., Black & Veatch, 4706 Broadway, Kansas City 2, Mo. (Jan. '45) *PR*

Woodward, Walter L., Cons. Engr., Empire State Bldg., Spokane, Wash. (Apr. '48)

Wooley, Cyrus H., Dist. Mgr., Indiana Gas & Water Co., Inc., 115 E. Spring St., New Albany, Ind. (Jan. '46) *M*

Woolidge, Harold V., Production Mgr., Wallace & Tiernan, Ltd., 109 Evelyn Ave., Toronto, Ont. (Jan. '42)

Woolley, Ralf R., Dist. Engr.-Water Utilization, U.S. Geological Survey, 303 Federal Bldg., Salt Lake City, Utah (July '47) *R*

Woonsocket Water Dept., City Hall, Woonsocket, R.I. (Corp. M. Apr. '44)

Wooten, M. Frank, Jr., Cons. Engr., Wooten & Wooten, Cons. Engrs., 215 Latta Arcade, Charlotte 2, N.C. (Jan. '40)

Worden, Harold, Repr., A. D. Cook, Inc., 801 Robins Rd., Lansing 15, Mich. (Jan. '48)

Worthen, Jesse M., Water Works Expert, Worthen & Wing, Cons. Engrs., 11120 Gravelly Lake Drive, S.W., Tacoma 9, Wash. (Oct. '43) *MR*

Worthington Pump & Machinery Corp., Thomas Cruthers, Vice-Pres., 401 Worthington Ave., Harrison, N.J. (Assoc. M. June '01)

Worthington-Gamon Meter Co., 296 South St., Newark 5, N.J. (Assoc. M. May '20)

Wright, C. W., Pres., Badger Meter Mfg. Co., 2357–71 N. 30th St., Milwaukee 10, Wis. (Mar. '27)

Wright, Clarence W., Assoc. Civ. Engr., Dept. of Water Supply, 735 Randolph St., Detroit 26, Mich. (Affil. July '39) *M*

Wright, Herbert W., Chemist, Filtration Plant, Metropolitan Dist. Water Bureau, 2 American Row, Hartford, Conn. (Jan. '47) *P*

Wright, Howard Raymond, Supt. of Distr., Dept. of Water & Sewers, Box 4821, Miami 31, Fla. (Oct. '42) *M*

Wright, J. W., City Clerk & Treas., Barnard Ave., Vernon, B.C. (Jan. '45)

Wright, Kenneth K., Lawyer, 1131 A. G. Bartlett Bldg., Los Angeles 14, Calif. (Oct. '44) *R*

Wright, LeRoy H., *see* Newark Water Works

Wright, Lon D., Supt. & Gen. Mgr., Dept. of Utilities, Fremont, Neb. (July '46)

Wright, M. V., Sr. Engr., Phillips Petroleum Co., Box 544, Phillips, Tex. (Jan. '45)

Wright, Robert D., Acting Supt., City Water Dept., City Hall, Lynchburg, Va. (Oct. '42) *MP*

Wuycik, W., *see* Ambridge Water Works Management Div.

Wyatt, C. S., Supt. & Operator & Service Man, Water Works Com., Box 128, Camden, Tenn. (Oct. '44)

Wyatt, Fred, Supt. of Meters, City Water Dept., Box 958, Billings, Mont. (Jan. '47) *R*

Wyatt, James A., Water Supt., Arcata, Calif. (Oct. '46)

Wyckoff, Hugh Allen, Head, Public Health Dept., Georgia Inst. of Technology, Atlanta, Ga. (Apr. '38) *P*

Wyckoff, Wayne W., Engr., Los Angeles Aqueduct, Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Oct. '34) *M*

Wylds, H. G., Supt. of Filtration, Water Works, 2771 Central Ave., Augusta, Ga. (Affil. Jan. '40) *P*

Wylie, Frank Samuel, Jr. San. Engr., 522 Maple Ave., Minok, Ill. (Jan. '47) *MPR*

Wymore, Allan H., Burns & McDonnell Eng. Co., Box 7088, Kansas City, Mo. (July '44) *P*

Yackey, George F., *see* Fallbrook Public Utility Dist.
Yackey, Harold H., *see* Vista Irrigation Dist.
Yandre, Thomas E., Sales Engr., Farm & Home Machinery Co., Inc., Orlando, Fla. (July '45) *MP*
Yarabeck, Robert Roland, San. Engr., Black & Veatch, 1230 E. 8th Ave., Denver, Colo. (Oct. '47) *MPR*
Yates, Herman A., Jr., Filtration Engr., South Dist. Filtration Plant, 3300 E. Cheltenham Pl., Chicago 49, Ill. (July '41) *P*
Yates, W. G., Constr. Engr., Water Dept., Wheeling, W.Va. (Oct. '43) *M*
Yaxley, R. Gordon, Supt., Water Comrs., 127—2nd St., Waterford, N.Y. (Oct. '25) *Fuller Award '41. MP*
Yegen, William, Supt. of Filtration Plant, 422—9th St., Bismarck, N.D. (June '27) *P*
Yocum, George H., Utilities Branch Foreman, Repairs & Utilities Div., Ravenna Arsenal, Apco, Ohio (Oct. '45) *M*
Yongen, Arnold G., Supt., Water Dept., 70 Harris Ave., Freeport, N.Y. (Jan. '47)
Yonkers Dept. of Public Health, Div. of Food & Sanitation, Milton T. Hill, Director & San. Engr., 301 Health Center Bldg., Yonkers, N.Y. (Mun. Sv. Sub. Apr. '48)
York, Township of, O. M. Falls, Comr. of Works, 40 Jarvis St., Toronto, Ont. (Corp. M. July '32)
Yost, E. B., Salesman, Johns-Manville Corp., 2107 Griffin St., Dallas, Tex. (Jan. '47)
Yost, Harold W., Partner, Yost & Gardner, Engrs., 508 Heard Bldg., Phoenix, Ariz. (July '42)
Youkey, Robert V., Supt., Water & Light Dept., Crown Point, Ind. (Jan. '46)
Youkey, W. Vincent, Mayor, 324 S. Main St., Crown Point, Ind. (Oct. '44)
Young, C. H., Dist. Engr., State Dept. of Health, 834 S. 17th St., Harrisburg, Pa. (June '29) *Director '44–47. Fuller Award '47. PR*
Young, C. O., Supt., Water Treatment Plant, Burlington Mills, Cramerton Div., Cramerton, N.C. (Oct. '41)
Young, Dow H., *see* Salt Lake City Corp.
Young, Francis D., Asst. Mgr., Pipe Sec., Cleveland Dist., Johns-Manville Sales Corp., 1530 Guildhall Bldg., Cleveland, Ohio (July '42) *MP*
Young, George Richmond, Village Mgr., Village Hall, Glencoe, Ill. (July '28) *MP*
Young, Harold C., Chemist, Wichita Water Supply, 1435½ Burns, Wichita 3, Kan. (Jan. '47)
Young, John L., Supt., Munic. Light & Water Works, 222 South St., Benton, Ark. (Oct. '42)
Young, Joseph E., *see* Moorehead Public Service Dept.
Young, Joseph Martin, Field Engr., Sales Dept., Infilco, Inc., 6346 Belmont, Houston 5, Tex. (Jan. '45) *MPR*
Young, Kenneth, Asst. Engr., Eng. Dept., Metropolitan Utilities Dist., 18th & Harney Sts., Omaha 2, Neb. (Jan. '41) *MP*
Young, R. W., Chief Engr., 3615 Broadway, Council Bluffs, Iowa (July '42) *M*
Young, S. R., Supt., City Water Dept., Hardin, Mont. (Jan. '40)
Young, T. L., Mgr., South Side Water Works Co., Chester, W.Va. (June '21) *Fuller Award '42. Director '43–'46.*
Young, W. H., Supt., Water Works, Ormond, Fla. (July '40)
Youngquist, C. V., *see* Ohio Water Resources Board
Youngquist, R. Clifford, (Water) System Planning Engr., Design Div., Dept. of Water & Power, 207 S. Broadway, Los Angeles 12, Calif. (Jan. '38) *MR*
Younkin, William J., Supt., Board of Public Affairs, 411—3rd Ave., S.W., Beach City, Ohio (Affil. Oct. '45) *P*
Yow, W. E., City Mgr., Asheboro, N.C. (Dec. '33)

Zack, Samuel I., Chief San. Engr., Gannett Fleming Corddry & Carpenter, 600 N. 2nd St., Harrisburg, Pa. (Jan. '44) *P*
Zadigan, Ruben, Chemist, National Brewers' Academy, 315—4th Ave., New York 10, N.Y. (Oct. '42)
Zaghloul, Hassan Farid, Sub-Director of Work, Gen. Dept. of Municipalities, Cairo, Egypt (Apr. '46) *MPR*
Zapffe, Carl, Box 93, Brainerd, Minn. (July '35) *P*
Zeidlhack, F. S., Cons. Engr., John W. Cunningham & Assoc., 1112 Spalding Bldg., Portland 4, Ore. (Jan. '45)
Zele, Alexander S., Chemist, Long Island State Park Com., Belmont Lake State Park, Babylon, N.Y. (Oct. '40) *P*
Zelley, John W., Sr. San. Engr., State Dept. of Health, Columbus Rd., Burlington, N.J. (Affil. Jan. '39) *P*
Zerman, Samuel W., Atty., Hackensack Water Co., 4100 Park Ave., Weehawken, N.J. (Apr. '44) *M*
Ziegler, Theodore J., Office Mgr., Bureau of Water, 701 French St., Erie, Pa. (Apr. '46) *MP*
Zietlow, Richard G., Water Inspector, Water Service Dept., Northern Pacific Ry. Co., Brainerd, Minn. (Oct. '45) *P*

Zimmer, Henry A., 842—16th Ave., Moline, Ill. (Apr. '46)

Zimmerman, Harry F., Box 516, Oak Ridge, Tenn. (July '47)

Zink, Ray E., Sales Engr., Builders-Providence, Inc., 122 S. Michigan Ave., Chicago 3, Ill. (July '47)

Zinsmeister, Herbert F., Engr., Wallace & Tiernan Co., Inc., 320 W. Main St., Carmel, Ind. (Apr. '47)

Zito, Peter I., *see* Franklin Contracting Co.

Zoeller, Anton John, Supt., Meter Dept., Hackensack Water Co., 4100 Park Ave., Weehawken, N.J. (Jan. '44) *M*

Zollman, Walter C., Chemist, Water Dept., Chain of Rocks, St. Louis 15, Mo. (July '44) *P*

Zollner, Frederick D., Dist. San. Engr., State Health Dept., 218 E. Main St., Batavia, N.Y. (Affil. Jan. '40) *P*

Zorn, Ray H., Mgr., Power Equipment Co., Oak Harbor, Ohio (Jan. '41) *P*

Zufelt, Jerome C., Supt., Board of Water Comrs., City Hall, Sheboygan, Wis. (Oct. '31) *Fuller Award '48. MP*

Zumwalt, J. J., Supt. of Water & Light, 317 S. 11th St., Frederick, Okla. (Oct. '39)

Zumwalt, Murray G., Water Service Employee, Southern Pacific R.R. Co., Nogal, N.M. (Oct. '47)

Zwick, John W., Asst. Water Service Engr., Southern Pacific Co., 65 Market St., San Francisco 5, Calif. (July '47) *PR*

ADDENDA TO THE CONSOLIDATED LIST OF MEMBERS

For the Month Ending October 1, 1948

NEW MEMBERS

Applications received September 1 to 30, 1948

Alexander, Aleck, San. Engr., Kyushu Military Govt. Region, APO 929, c/o Postmaster, San Francisco, Calif. (July '48)

Ambler, Edward B., Sales Repr., Builders Providence, Inc., 602 Denver National Bldg., Denver, Colo. (Oct. '48)

Barnes, Harry, *see* Rocky Ford, City of

Bassett, Robert J., Foreman, Water Dept., Box 257, Cheyenne, Wyo. (Oct. '48)

Bisler, Walter A., Distributor, Flexible Underground Pipe Cleaning Co., 909 N. Homewood Ave., Pittsburgh 8, Pa. (Oct. '48)

Black, Lee C., City Mgr., Box 409, Georgetown, Tex. (Oct. '48)

Boen, Doyle F., City Engr. & Supt. of Public Works, City Hall, Corona, Calif. (Oct. '48)

Boren, William, Supt., Public Utility Dist., Box 575, Fall Brook, Calif. (Oct. '48)

Bostrom, G. W., Exec. Secy., National Assn. of Soft Water Service Operators, 111 W. Washington St., Chicago 2, Ill. (Oct. '48)

Bourgaize, R. G., *see* University Place Water Co.

Brisbane, E. C., *see* Inter-American Eng. Corp.

Brod, Howard W., Asst. City Engr., City Hall, Sierra Madre, Calif. (Oct. '48)

Carson, J. L., Meter Mechanic, Water & Sewer Dept., 2919 Chapel Hill Rd., Durham, N.C. (Oct. '48)

Clemmer, Thomas J., Engr., Dominguez Water Corp., 21718 S. Alameda St., Long Beach 10, Calif. (Oct. '48)

Daniels, J. Graham, Dist. Sales Mgr., Chicago Bridge & Iron Co., 1st Security Bank Bldg., Salt Lake City 1, Utah (Oct. '48)

Deitz, Carr H., Secy., San Jose Hills Water Co., 276 W. Dexter, Covina, Calif. (Oct. '48)

Duren, A. J., Plant Operation Supt., State Div. Public Inst., Fergus Falls, Minn. (Oct. '48)

Eggers, John, San Jose Hills Water Co., 276 W. Dexter, Covina, Calif. (Oct. '48)

Erickson, Erick V., Asst. Chief Plant Engr., Light & Water Plant, Lakeland, Fla. (Oct. '48)

Furman, Thomas deS., Assoc. Engr., Quattlebaum Eng. Co., Johnston, S.C. (Oct. '48)

Gonzales del Valle, Manuel A., Civ. Engr., Oficios 104, Havana, Cuba (Oct. '48)

Goodrich, Ralph D., Cons. Engr., J. T. Banner & Assoc., Box 513, Laramie, Wyo. (Oct. '48)

Graybeal, M. E., *see* Kentucky Water Service Co., Inc.

Hall, Russell W., Engr., Water Dept., 1235 S. Gary Pl., Tulsa, Okla. (Oct. '48)

Halyard, Sam., Supt., Water Works, Crockett, Tex. (Oct. '48)

Hardcastle, R. C., R. C. Hardcastle Co., 821 Braniff Bldg., Oklahoma City, Okla. (Oct. '48)

Hartford Rayon Corp., O. W. McLane, Supt., Rocky Hill, Conn. (Corp. M. Oct. '48)

Homan, Daniel J., Draftsman, Board of Water Comrs., 1600 Rosemary St., Denver 7, Colo. (Oct. '48)

Huppertz, Mary E. (Miss), Chief Chemist, Stover Water Softener Co., St. Charles, Ill. (Oct. '48)

Inter-American Eng. Corp., E. C. Brisbane, Pres., 5725 Alcoa Ave., Los Angeles 11, Calif. (Assoc. M. Oct. '48)

Irwin, W. L., Mgr., Services Div., Board of Water Comrs., 1975 S. Gilpin St., Denver, Colo. (Oct. '48)

Ives, Gilmore, *see* Preload Pacific Corp.

Jones, Joseph E., Supt., Water Works, 83 DeForest Rd., Swansea, Ont. (Oct. '48)

Kentucky Water Service Co., Inc., M. E. Graybeal, Vice-Pres. & Gen. Mgr., S. Main St., Somerset, Ky. (Corp. M. Oct. '48)

Kilgour, Ross G., Mgr., Crescenta Mutual Water Co., 2112 Montrose Ave, Montrose, Calif. (Oct. '48)

King, Carl H., Asst. City Engr., Box 274, Chinook, Mont. (Oct. '48)

Krishnan, S. Radha, Karkand, Suchindrum P.O., Travancore, India (Oct. '48)

Kruse, Cornelius W., Assoc. Prof. of San. Eng., Johns Hopkins Univ., 615 N. Wolfe St., Baltimore 5, Md. (Oct. '48)

Kuntz, J. R., Sales Mgr., Thompson Pipe & Steel Co., 123 Newport St., Denver, Colo. (Oct. '48)

Laufman, Wilmer B., III, Sales Engr., Herr-Harris Co., 545 William Penn Pl., Pittsburgh 19, Pa. (Oct. '48)

Levin, Gilbert V., Jr. Asst. San. Engr., State Dept. of Health, 1630 Moreland Ave., Baltimore 16, Md. (Jr. M. Oct. '48)

Loiselle, Donald W., Chief Chemist, Bridgeport Hydraulic Co., 835 Main St., Bridgeport, Conn. (Oct. '48)

McCarthy, John W., Sr. Instructor, U.S. Army, Water Supply & Purif., 1823½ E. 20th St., Cheyenne, Wyo. (Oct. '48)

McComb, George B., *see* Standard Pipeprotection, Inc.

McLane, O. W., *see* Hartford Rayon Corp.

Moretty, Henry, *see* Parkrose Water Dist.

Murray, Raymond H. N., Designing Engr., Nussbaumer & Clarke, 327 Franklin St., Buffalo 2, N.Y. (Oct. '48)

Orr, Jack P., Mfrs. Repr., 822 Dermon Bldg., Memphis, Tenn. (Oct. '48)

Orundio, Henry M., Supt., Crescenta Mutual Water Co., Montrose, Calif. (Oct. '48)

Parkrose Water Dist., Henry Moretty, Supt., 10404 N.E. Sandy Blvd., Portland 13, Ore. (Corp. M. Oct. '48)

Perkins, C. E., City Mgr., City Hall Winston-Salem, N.C. (Oct. '48)

Phelps, P. E., III, Engr., Saginaw County, Box 642, Saginaw, Mich. (Oct. '48)

Preload Pacific Corp., Gilmore Ives, Secy.-Treas., 333 Kearny St., San Francisco, Calif. (Assoc. M. Oct. '48)

Reeves, A., Engr., Dominguez Water Corp., 21718 S. Alameda St., Long Beach 10, Calif. (Oct. '48)

Rider, Bert A., Water Meter Man, Phillips Petroleum Co., Box 75, Phillips, Tex. (Oct. '48)

Robertson, D. A., Jr., Asst. Engr., Bureau of San. Eng., 22 N. 9th St., Richmond, Va. (Oct. '48)

Rocky Ford, City of, Harry Barnes, City Engr., Box 547, Rocky Ford, Colo. (Corp. M. Oct. '48)

Ruhmann, John P., Water Works Supt., City Hall, Wichita Falls, Tex. (Oct. '48)

Schieck, James W., Foreman, Water Dept., Box 257, Cheyenne, Wyo. (Oct. '48)

Schirck, John M., San. Engr., Army Air Base, Casper, Wyo. (Oct. '48)

Shannon, R. C., Water Supt., City Hall, Brighton, Mich. (Oct. '48)

Smith, Edward Gerald, Engr., K. W. Lefever, 304 Gazette Bldg., Little Rock, Ark. (Oct. '48)

Standard Pipeprotection, Inc., George B. McComb, Pres., 3000 S. Brentwood Blvd., St. Louis 17, Mo. (Assoc. M. Oct. '48)

Stone, Wirt J., Jr., Chemist, West Virginia Coal & Coke Corp., Box 437, Omar, W.Va. (Oct. '48)

Tobin, David, Sales Engr., J. W. Eshelman Co., Inc., 314 Wilder Bldg., Charlotte 2, N.C. (Oct. '48)

Turner, W. W., W. W. Turner Co., 206½ Union St., Nashville 3, Tenn. (Oct. '48)

University Place Water Co., R. G. Bourgaize, Treas., 2816—6th Ave., Tacoma 6, Wash. (Corp. M. Oct. '48)

Virginia, Commonwealth of, Div. of the Budget, Institutional Eng., Travelers Bldg., Richmond 19, Va. (Corp. M Oct. '48)

Ware, Stanton J., Economist, Bureau of Reclamation, Box 2130, Billings, Mont. (July '48)

Williams, W. T., Supt., Light & Water, Box 243, Pawhuska, Okla. (Oct. '48)

Young, Lewis A., Director, Div. of Sanitation, State Dept. of Public Health, Boston Bldg., Denver, Colo. (Oct. '48)

REINSTATEMENTS

Casper, City of, Tom Jessen, Mayor & Water Comr., City-County Bldg., Casper, Wyo. (Corp. M. Oct. '37)

Eisenman, A. L., *see* Paddock Eng. Co. of Texas

Ettington, Martin, Mgr., Sales Eng., American Locomotive Co., Alco Products Div., Dunkirk, N.Y. (Apr. '45)

Jessen, Tom, *see* Casper, City of

Paddock Eng. Co. of Texas, A. L. Eisenman, Vice-Pres., 3727 Atwell St., Dallas 9, Tex. (Assoc. M. Oct. '45)

Ribadeneira, Cesar, Director de Agua Potable, Calle Andalucia No. 181, Quito, Ecuador (July '46)

Stepleton, H. A., 5363 Silica Drive, Sylvania, Ohio (Apr. '40)

Thomas, R. A., Comr. of Public Works, City Hall, Winston-Salem, N.C. (Apr. '36)

LOSSES

Deaths

Dodd, Rennie I., Exec. Mgr., Chester Munic. Authority Water Service, 5th & Welsh Sts., Chester, Pa. (Apr. '22) *M*

Hales, James L., Asst. Mng. Director, State Planning Board, 517 Commercial Bldg., Raleigh, N.C. (Oct. '45)

Hetzer, Mentor, R.D. No. 1, Moundsville, W.Va. (Nov. '16) *Director '39–'40. Fuller Award '43.*

Jones, Harvey P., Partner, Jones & Henry, Cons. Engrs., 821 Security Bldg., Toledo 4, Ohio (July '22) *Director '45–'48. P*

Powell, William H., Engr., Greater Vancouver Water Dist., 1303 Sun Bldg., Vancouver, B.C. (Jan. '45) *M*

Smith, Egmont S., Neptune Meter Co., 2014 Commerce St., Dallas 1, Tex. (Oct. '34) *Director '35–'36. Fuller Award '43. MP*

Weathers, J. L., Mgr., Public Works Com., Fayetteville, N.C. (Jan. '36)

Wilcox, Gilbert L., City Mgr., Dover, Del. (Oct. '45)

Resignations

Bliss, B. F., Gen. Mgr. & Vice-Pres., Independence Water Works Co., 123 W. Kansas, Independence, Mo. (Jan. '42)

Leaver, C. O., Dist. Repr., Electro Rust-Proofing Corp., 4030 Chouteau Ave., St. Louis 10, Mo. (July '44) *MP*

Truehart & Caldwell, T. A. Caldwell, Partner, Utility Contractors, 509 American Hospital Life Bldg., San Antonio 5, Tex. (Corp. M. Jan. '47)

Changes in Address

Changes received between September 5 and October 5, 1948

Abbenseth, Fred M., 433—4th St., Mamaroneck, N.Y. (Oct. '47) *M*

Arizona Edison Co., Inc., C. G. Eckstrom, 331 N. 1st Ave., Phoenix, Ariz. (Corp. M. Jan. '47) *M*

Avrett, William L., Jr., Standard Vacuum Oil Co., Palembang, Sumatra, Netherlands, Indies (Apr. '36) *P*

Bacon, Vinton W., 115 Church St., Santa Ana, Calif. (Jan. '41) *MPR*

Bresmer, Martin, Supt., Water Dept., 535 S. 6th Ave., West Bend, Wis. (Jan. '43) *MP*

Brisbane, Eugene C., 242 N. Windsor St., Los Angeles 4, Calif. (Jan. '36)

Bulot, Francis H., Cons. Engr., 411 W. 5th St., Los Angeles 13, Calif. (Apr. '46) *MP*

Burnett, John J., Chemist, Bureau of Water, Filtration Plant No. 1, Buffalo Ave. & 53rd St., Niagara Falls, N.Y. (Apr. '48)

Camp, Cecil S., Louisiana State Univ., 215 Atkinson Hall, Baton Rouge, La. (Apr. '46) *PR*

Canham, Chester H., 3517 Manor Court, Indianapolis 18, Ind. (Jan. '47)

Copeland, Kern H., Major, Station Hospital, Camp Stoneman, Pittsburg, Calif. (July '47)

Coughlin, L. J., 2771 Arrowhead, San Bernardino, Calif. (Oct. '38) *MP*

Cranford, William H., Univ. of North Carolina, 140 Whitehead Dormitory, Chapel Hill, N.C. (Jan. '39) *P*

Crenshaw, T. B., 2321 W. 4th St., Joplin, Mo. (Oct. '47) *MPR*

Culver, Robert H., Civ. Eng. Dept., North Carolina State College, Raleigh, N.C. (July '48)

Curtis, John K., San. Engr., Ontario Dept. of Health, 24 Prince Arthur St., Toronto, Ont. (Apr. '46)

Davis, Don C., City Mgr., 415 S. Moore, Monterey Park, Calif. (Jan. '41) *M*

deJong, Tim, Civ. Engr., c/o U.S. Embassy, Kabul, Afghanistan (Jan. '42)

Dunham, Henry G., Box 642, Delray Beach, Fla. (June '25) *P*

Eidsness, Fred A., Dist. Engr., Infilco, Inc., Commercial Trust Bldg., Philadelphia 2, Pa. (May '41) *Fuller Award '44. P*

Fitch, Reamy C., Box 101, Commerce Station, Minneapolis 15, Minn. (July '47) *P*

Gidley, Harry K., R.F.D. 3, Chapel Hill, N.C. (Jan. '39) *Fuller Award '45. Director '46–'49. P*

Gruetzmacher, Clarence Saylor, R.R. 4, Box 108, Sunset Hill Rd., Corvallis, Ore. (June '20) *MPR*

Harrington, Chester L., 116 N. Walnut, Bryan, Ohio (July '46)

Herkenhoff, Gordon E., Cons. Engr., Herkenhoff & Turney, 223 Montezuma Ave., Sante Fe, N.M. (July '47)

Hoskin, Douglas G., 92 Ridge Hill Drive, Toronto, Ont. (Jr. M. Jan. '48) *MP*

Janzen, Herman A., San. Engr., State Board of Health, Court House, Dodge City, Kan. (Apr. '46)

Kazmann, Raphael G., Hydr. Engr., Ranney Method Water Supplies, Inc., 841 Alton Ave., Columbus 3, Ohio (Apr. '46) *R*

Kenwell Corp., S. Kenneth Weiser, Pres. & Gen. Mgr., 1919 Bonita Drive, Glendale 8, Calif. (Assoc. M. July '47)

Langdon, Bernard J., San. Engr., Johnson County Health Dept., Olathe, Kan. (Jan. '47)

Mortenson, Everett N., Swift & Co., Plant Food Div., 150 W. Marble, Hammond, Ind. (Jan. '44) *P*

Morton, Roy J., Health Physics Div., Oak Ridge National Lab., Box P, Oak Ridge, Tenn. (July '35) *P*

Needham, Earlie B., Dist. Engr., U.S. Public Health Service, Dist. No. 8, 304 New Custom House Bldg., Denver 2, Colo. (Oct. '46) *P*

Oberholtz, Lester, 1715 W. 6th St., Los Angeles 14, Calif. (Jan. '41)

Owens, James B., 6022—9th Rd., N., Arlington, Va. (Oct. '47)

Price Brothers Co., Paul L. Osweiler, Plant Mgr., Pressure Pipe Div., 2824 Patterson Blvd., Dayton 9, Ohio (Assoc. M. July '43)

Reimund, R. E., Chief Survey Supt., Ranney Method Water Supplies, Inc., 841 Alton Ave., Columbus 3, Ohio (Oct. '47)

Revelle, J. E., 64 Whittier Rd., Wellesley Hills, Mass. (Apr. '40) *P*

Rimbach, T. N., Dist. Mgr., Liquid Conditioning Corp., 3903 Olive St., St. Louis 8, Mo. (Apr. '40) *P*

Ross, Edward J., R.R. 2, Chesterfield, Mo. (Apr. '48)

Sanborn, James F., Cons. Engr., 50 Church St., New York 7, N.Y. (Aug. '21)

Stang, Edward R., 220 Main St., Huntington Beach, Calif. (Jan. '45) *MP*

Steeg, Henry B., Henry B. Steeg & Assoc., 2331 N. Meridian St., Indianapolis 8, Ind. (July '47)

Stewart, Morgan E., 5202 Gwynn Oak Ave., Baltimore 7, Md. (Jan. '44) *P*

Stock, Harry, Civ. Engr., Route 1, Backus, Minn. (Jan. '39)

Straub, Conrad P., 138 S. Jefferson Circle, Oak Ridge, Tenn. (Jan. '40) *PR*

Stutz, Clifford N., 2021 Stratford Drive, Salt Lake City, Utah (July '35) *P*

Wagener, August H., 4311 Springdale Ave., Baltimore 7, Md. (Jan. '44) *M*

Warren, Moultrie Alfred, 403 Balboa Bldg., 735 State St., Santa Barbara, Calif. (Apr. '47) *R*

Webster, Fred D., Water Meter Sales, Pittsburgh Equitable Meter Div., Rockwell Mfg. Co., 25 Beale St., San Francisco 15, Calif. (Oct. '37) *R*

Weigand, George A., Chief Engr., Dept. of Water & Sewers, Box 6, Coconut Grove Station, Miami 33, Fla. (Oct. '42) *M*

Wertz, C. F., Resident Engr., Dept. of Water & Sewers, Box 6, Coconut Grove Station, Miami 33, Fla. (Mar. '24) *Fuller Award '47. PR*

Wolfenbarger, H. C., New Tazewell, Tenn. (July '46) *MP*

Wood, Alan A., Wood & Preuit Co., 1503 E. Choeden St., Philadelphia 19, Pa. (Jan. '44) *P*

Wood, J. G., Mgr., Texarkana Water Corp., 611 Pecan, Texarkana, Ark. (July '43) *M*

Wright, Howard Raymond, Supt. of Distr., Dept. of Water & Sewers, Box 6, Coconut Grove Station, Miami 33, Fla. (Oct. '42) *M*

Young, C. H., Dist. Engr., State Dept. of Health, 834 S. 17th St., Harrisburg, Pa. (June '29) *Director '44–'47. Fuller Award '47. PR*

CORPORATE MEMBERS

See Consolidated List of Members, pp. 1–177, for addresses and other data

A

Adirondack W.W. (Lowville, N.Y.)
Airways W. Co., Inc. (Hawthorne, Calif.)
Alameda County W. Dist. (Centerville, Calif.)
Albert Lea, Minn., W. Dept.
Albertville, Ala., Munic. Util. Bd.
Albion, N.Y., W. Dept.
Albuquerque, N.M., City of
Alcoa Mining Co.
Alexandria, La., Munic. W. Dept.
Allendale, N.J., W. Dept.
Allentown, Pa., Bur. of W.
Allouez W. Dept. (Green Bay, Wis.)
Aluminum Co. of Canada, Ltd.
Ambridge, Pa., W.W. Management Div.
American Enka Corp.
American Viscose Corp.
American W.W. Co., Inc.
Ames, Iowa, W. Dept.
Ammerman, Davis & Stout, Inc.
Anaconda Copper Mining Co.
Anderson, Ind., City of
Anheuser-Busch, Inc.
Ann Arbor, Mich., W. Dept.
Arcadia, Fla., W. Dept.
Arizona Edison Co., Inc.
Arkansas City, Kan., W. Dept.
Ashvelle, N.C., City of
Ashland, Ore., W. Dept.
Astoria, Ore., City of
Aurora, Minn., W. & Light Com.
Austin, Minn., Bd. of W., Elec., Gas & Power Comrs.
Avon Lake, Ohio, W. Dept.

B

Bakelite Corp.
Baker, Ore., Dept. of W., Fire & San.
Baldwin Park County, Calif., W. Dist.
Baltimore County, Md., Metrop. Dist.
Barnard & Burk
Barnsley, County Borough of (Yorkshire, England)
Barrie, Ont., Pub. Util. Com.
Batavia, N.Y., W. Dept.
Bayonne, City of (Arlington, N.J.)
Beaver Dam, Wis., Munic. W. Dept.
Bedford, Va., Town of
Beeville, Tex., W.W. & Sewer Dept.
Belleville, Ont., Pub. Util. Com.
Bellingham, Wash., W. Dept.
Bellville, Tex., W. Dept.
Belvidere, Ill., W. Dept.
Berlin, Pa., W. Co.
Bethlehem, Pa., City of
Bettenburg, P. C. & Co.
Beverly Hills, Calif., W. Dept.
Binghamton, N.Y., Bur. of W.
Birdsboro, Pa., W. Co.
Birmingham, Ala., Indus. W. System
Birmingham, Ala., W.W. Co., The
Birmingham W. Co. (Derby, Conn.)
Black Mountain, N.C., Town of
Bloomfield, N.J., Town of
Blythe, Munic. Authority of Township of (Pottsville, Pa.)
Bonham, Tex., W. Dept.
Boone, Iowa, W. Dept.
Boulder, Colo., W. Dept.
Bozeman, Mont., City of
Brampton, Ont., W. Com.
Brantford, Ont., Pub. Util. Com.
Brazil City, Ind., W.W.
Briarcliff Manor, N.Y., Village of
Bricelyn, Minn., Village of
Bristol, Va., City of
Broken Hill, Australia, W. Bd.
Brookfield, Ill., Village of
Brookfield-North Riverside W. Com. (Hollywood, Ill.)
Brown County W. Control & Improvement Dist. No. 1 (Brownwood, Tex.)
Brunswick & Topsham W. Dist. (Brunswick, Me.)
Buffalo Niagara Elec. Corp.
Burbank, Calif., Pub. Serv. Dept.
Burley, Idaho, City of
Burlington Mills Corp.
Burnaby, Corp. of (New Westminster, B.C.)

C

California Dept. of Pub. Health (San Francisco, Calif.)
California Oregon Power Co.
Canastota, N.Y., W. Dept.
Canon City, Colo., W. Dept.
Canton, Miss., Munic. Util.
Cape Charles, Va., Munic. Corp. of
Cape Town, South Africa, City Engr.'s Dept.
Carbide & Carbon Chemical Corp.
Carnegie & Smith
Carolina Aluminum Co.
Carolina Beach, N.C., Town of
Cedar Rapids, Iowa, City W.W.
Celanese Corp. of America
Centralia, Ill., City W. Dept.
Charleston, S.C., Comrs. of Pub. Works

Charlottesville, Va., City of
Chatham, N.J., Borough of
Chatham, Ont., Bd. of W. Comrs.
Chillicothe, Mo., Munic. Util.
Chippewa, Ont., Village of
Citizens Util. Co. (Greenwich, Conn.)
Citizens Util. Co. (Wallace, Idaho)
Clarksville, Ark., Lt. & W. Co.
Clewiston, Fla., City of
Clinton, Ont., Pub. Util.
Coca-Cola Co.
Coca-Cola Export Corp.
Coffeyville, Kan., W. & Lt. Dept.
Colfax, Wash., W. Dept.
Colonial Heights, City of (Petersburg, Va.)
Columbus, Miss., W. Dept.
Community Pub. Serv. Co. (Cameron, Tex.)
Community Pub. Serv. Co. (Fort Worth, Tex.)
Community Pub. Serv. Co. (Memphis, Tex.)
Community Pub. Serv. Co. (Texas City, Tex.)
Concord, N.C., Bd. of Lt. & W. Comrs.
Consolidated W. Power & Paper Co.
Corfu, N.Y., Village of
Corning, N.Y., W. Dept.
Corpus Christi, Tex., City of
Covington, Ind., City of
Creedmoor, N.C., Town of
Creole Petroleum Corp.
Crete, Neb., City of
Crossett, Ark., Pub. Util. Co.
Crothersville, Ind., W. & Elec. Dept.
Croydon Corp. W. Undertaking (Croydon, Surrey, England)
Cuba, Cia. de Acueducto de, S.A.
Culpeper, Va., Town of

D

Dan River Mills, Inc.
Dauphin, Man., Town of
Davy Eng. Co.
Day & Zimmermann, Inc.
Delavan, Wis., W. Com.
Delphi, Ind., W.W.
Deming, N.M., W. Dept.
Denton, Tex., W., Lt. & Sewer Dept.
Denver, Colo., City & County of
Des Moines, Iowa, W.W.
Detroit Edison Co.
Dist. of Columbia Govt.
Dover, N.J., W. Comrs.
Dow Chemical Co.
Dresden, Ont., Town of
Du Bois, Pa., Bur. of W.
Duhernal W. System (Parlin, N.J.)
Dundas, Ont., Pub. Util. Com.
Dunkirk, N.Y., Bd. of W. Comrs.
Durham. N.C., W. & Sewer Dept.

E

East Aurora, N.Y., Village of
East Bay Munic. Util. Dist. (Oakland, Calif.)
East Chicago, Ind., Dept. of W.W.
East Coast W. Co. (Richmond, Va.)
East Helena, Mont., City of
East Moline, Ill., W.W. Dept.
East Orange, N.J., Bd. of W. Comrs.
East York, Ont., Township of
Ebasco Services, Inc.
Ecorse, Mich., City of
Ecusta Paper Corp.
Edinburg, Tex., City of
Edmonton, Alta., City of
El Campo, Tex., W. Dept.
Elkhorn, Wis., Lt. & W. Com.
Elmira, N.Y., W. Bd.
Elmira, Ont., Pub. Util. Com.
El Paso, Tex., City-County Health Dept.
El Paso, Tex., Dept. of W. & Sewerage
Elwood, Ind., W.W. & Sewage Plant
Emporia, Kan., City of
Endicott, N.Y., W.W. Co.
Escanaba, Mich., Munic. Util.
Etobicoke, Ont., Township of
Eugene, Ore., W. Bd.
Evansville, Ind., W.W. Dept.
Everett, Wash., W. Dept.

F

Fairview County W. Dist. (Costa Mesa, Calif.)
Fallbrook, Calif., Pub. Util. Dist.
Federal Advisers, Inc.
Fergus Falls, Minn., W. & Lt. Dept.
Fire Underwriters Inspection Bur.
Firestone Tire & Rubber Co.
Fishers Island Farms, Inc.
Flint, Mich., W. Dept.
Florida Keys Aqueduct Com. (Key West, Fla.)
Fond du Lac, Wis., W. Dept.
Fonthill, Ont., W.W. Com.
Forest, Ont., Pub. Util. Co.
Forest Hill W.W. System (Toronto, Ont.)
Fort Collins, Colo., City of
Fort Dodge, Iowa, W. Dept.
Frederick, Md., City of
Freeport, N.Y., Inc. Village of
Fresno, Calif., City W. Dept.

G

Galesburg, Ill., W. Dept.
Galt, Ont., Pub. Util. Com.
Galveston, Tex., W.W. & Sewerage Dept.
Garden City, N.Y., Inc. Village of
Gastonia, N.C., City of
General Elec. Co.
General Util. Co., Ltd. (Vancouver, B.C.)
General W.W. Corp. (Pine Bluff, Ark.)
Geneseo, N.Y., W.W.
Georgetown, Tex., Sewerage & W. Comrs.
Giffels & Vallet, Inc.
Glencoe, Ont., Pub. Util. Com.
Glen Ridge, N.J., W. Dept.
Glendale, Calif., Pub. Serv. Dept.
Glendora, Calif., W. Dept.

Gonzales, Tex., City Util.
Goodrich, B. F., Co.
Grand Rapids, Mich., W. Dept.
Gravenhurst, Ont., Elec. Lt. & W. Com.
Greeley, Colo., City of
Green Bay, Wis., W. Dept.
Greenburgh W. Dept. (Tarrytown, N.Y.)
Greenport, N.Y., W. Dept.
Greenport W. Dist. No. 1 (Hudson, N.Y.)
Greensboro, N.C., W. Dept.
Grosse Pointe Park, Mich., Village of
Guatemala City, Cia. del Agua del Mariscal, S.A.
Guelph, Ont., Township of
Gulf States Util. Co. (Baton Rouge, La.)

H

Haddonfield Borough, N.J., W: Dept.
Hagerstown, Ind., W. Dept.
Hammermill Paper Co.
Hamtramck, Mich., W. Dept.
Hanover, Ont., Pub. Util. Com.
Harlan, Ky., Munic. W.W.
Haskell, Tex., W. Dept.
Hastings, Neb., Bd. of Pub. Works
Havre, Mont., W. Dept.
Hawthorne, Calif., Munic. W.W.
Healdsburg, Calif., City of
Hebbronville, Tex., Util., Inc.
Helena, Mont., W. Dept.
Henderson, N.C., W.W.
Hibbing, Minn., W., Lt., Power & Bldg. Com.
Hickory, N.C., City of
Hicksville, N.Y., W. Dist.
Hillsboro, N.C., W. Dept.
Hillsboro, Ore., Util. Com.
Hillsborough W. Dept. (Burlingame, Calif.)
Holland, Mich., Bd. of Pub. Works
Holland, N.Y., W. Dist. No. 1
Home W. Dist. (Portland, Ore.)
Honolulu, T.H., Bd. of W. Supply
Hot Springs Munic. W. System (Hot Springs National Park, Ark.)
Houlton, Me., W. Dept.
Houston, Tex., W. Dept.
Hydro-Elec. Power Com. of Ontario

I

Idaho, Univ. of
Idaho Dept. of Pub. Health
Idaho Surveying & Rating Bur.
Illinois Inspection Bur.
Independence, Kan., City of
Indiana Dept. of Conservation
Indiana State Bd. of Health
Inglewood, Calif., W. Dept.
Inspiration Consolidated Copper Co.
Inst. of W. Engrs. (London, England)
Instituto Nacional de Obras Sanitarias (Caracas, Venezuela)
Iola, Kan., W.W.
Iowa Geological Survey

J

Jacksonville, Tex., City of
Jamestown, N.Y., Bd. of Pub. Util.
Jasper, Ind., Munic. Elec. & W. Dept.
Jefferson Chemical Co., Inc.
Jerome, Idaho, W. Co.
Johnson City, N.Y., W. Dept.
Jonesboro, Ark., W. & Lt. Plant
Julesburg, Colo., Town of
Junction City, Kan., W. Dept.

K

Kaiser Co., Inc.
Kamloops, B.C., City of
Kansas City Suburban W. Co., Inc. (Mission, Kan.)
Kansas City, Mo., W. Dept.
Keis & Holroyd
Kenosha, Wis., W. Dept.
Kentucky State Dept. of Health
Kentucky Util. Co. (Lexington, Ky.)
Kerrville, Tex., City of
Keuka College (Keuka Park, N.Y.)
Kewanee, Ill., City of
Kimberly-Clark Corp.
Kingston, N.Y., W. Dept.
Kingston, Ont., Util. Com.
Kingston upon Hull, England, Corp. W. Dept.
Kitchener, Ont., W. Com.
Knoxville, Tenn., Util. Bd.

L

Lafayette, Ind., W.W.
La Grange, Tex., Util.
LaGrange Park, Ill., Village of
Laguna Beach County, Calif., W. Dist.
Lake, Town of, W. Dept. (Milwaukee, Wis.)
Lake Forest, Ill., W. Dept.
Lakewood W. & Power Co. (Long Beach, Calif.)
Landel Metropolitan Dist. (Lansing, Mich.)
Lansdale, Pa., Munic. Authority
Lansing, Mich., Bd. of W. & Elec. Lt. Comrs.
La Porte, Ind., W.W.
Laredo, Tex., W.W. System
Larned, Kan., W. Dept.
Latta & Fent
Lawrence, Kan., City W. Dept.
League of Texas Municipalities
Lee County, Ill., Health Dept.
Libbey-Owens-Ford Glass Co.
Liberty, N.Y., W.W.
Lincoln, Neb., City W. & Lt. Dept.
Linton, Ind., Munic. W. Co.
Little Rock, Ark., Munic. W.W.
Livingston, N.J., W. Dept.
Lompoc, Calif., Lt. & W. Dept.
London, Ont., Pub. Util. Com.
Long Beach, Calif., W. Dept.
Long Island State Park Com.
Lordsburg, N.M., W. Dept.
Los Angeles, Calif., Dept. of W. & Power

Louisiana Pub. Serv. Com.
Louisville, Ky., W. Co.
Loveland, Colo., City of
Lower Colorado River Authority (Austin, Tex.)
Luling, Tex., City of
Luray, Va., Town of
Luton W. Co. (Beds., England)
Luverne, Minn., City of

M

Macon, Ga., Bd. of W. Comrs.
Madison Suburban Util. Dist. of Davidson County, Tenn.
Malmö, Sweden, Stads Vatten- och Avloppsverk
Manitoba Dept. of Health & Pub. Welfare
Marinette, Wis., W. Com.
Marion, Ind., W. Dept.
Marion, Va., Town of
Marmaduke, Ark., City of
Marquette, Mich., City of
Maryland State Planning Com.
Marysville, Mich., W. Dept.
Mason City, Iowa, W. Dept.
McAllen, Tex., Pub. Utilities
McMinnville, Ore., W. & Lt. Dept.
Mead Corp.
Medford, Ore., W. Com.
Media, Pa., Borough of
Melbourne & Metropolitan Bd. of Works (Victoria, Australia)
Memphis, Tenn., Lt., Gas & W. Div.
Mena, Ark., W.W.
Merrill, Wis., W. Util.
Merritton, Ont., W.W. Dept.
Metropolitan W. Dist. (Manila, P.I.)
Metropolitan W. Dist. of Southern California (Los Angeles, Calif.)
Mexia, Tex., City of
Mexico, Banco Nacional Hipotecario Urbano y de Obras Publicas, S.A.
Miami, Fla., Dept. of W. & Sewers
Miami Beach, Fla., W. Dept.
Middletown, Conn., W. Dept.
Midland, Ont., Pub. Util. Com.
Midland, Mich., W. Dept.
Milford, Mass., W. Co.
Milford, N.J., W. Dept.
Mimico Pub. Util. Com. (Toronto, Ont.)
Mineral Wells, Tex., City W.W.
Minersville, Pa., Munic. Authority of Borough of
Minneapolis, Minn., Com. of W.W.
Minnesota & Ontario Paper Co.
Mishawaka, Ind., City W. & Elec. Plant
Mitchell, S.D., W. Dept.
Mobile, Ala., W.W. Dept.
Moline, Ill., W.W.
Monroe, N.C., City of
Montebello, Calif., Land & W. Co.
Monte Vista County, Calif., W. Dist.
Montrose, N.Y., W. Bd.
Moorehead, Minn., Pub. Serv. Dept.
Morenci, Ariz., W. & Elec. Co.
Mount Airy, N.C., Town of
Mount Holly, N.J., W. Co.
Mount Morris, N.Y., W. Dept.
Mountain W. Co. (La Crescenta, Calif.)
Murphysboro, Ill., W. Co.
Muscatine, Iowa, City W.W.
Muscoy Mutual W. Co. No. 1 (San Bernardino, Calif.)

N

National Automatic Sprinkler & Fire Control Assn.
National Cash Register Co.
National Container Corp.
National Lead Co. (South Amboy, N.J.)
National Lead Co. (Tahawus, N.Y.)
National Nu Grape Co.
Neches Butane Products Co.
Neenah, Wis., W. Dept.
Negaunee, Mich., W.W. Dept.
New Britain, Conn., W. Bd.
New Jersey Dept. of Conservation
New Jersey W. Co. (Haddon Heights, N.J.)
New Mexico, Univ. of (Albuquerque)
New Mexico Dept. of Pub. Health
New Mexico Pub. Serv. Com.
New Mexico Pub. Serv. Co. (Las Vegas)
New Mexico Pub. Serv. Co. (Santa Fe)
New Rochelle, N.Y., W. Co.
New Toronto, Ont., Pub. Util. Com.
New Westminster, B.C., City of
New York State Conservation Dept.
Newark, N.Y., W.W.
Newmarket, Ont., W. Dept.
Newnan, Ga., W. & Lt. Com.
Newton, Citizens W. Supply Co. of (Elmhurst, N.Y.)
Niagara W. Dept. (Niagara-on-the-Lake, Ont.)
Niskayuna, Town of (Schenectady, N.Y.)
North American Rayon Corp.
North Bay, Ont., City of
North Carolina, Univ. of (Chapel Hill, N.C.)
North Carolina Dept. of Conservation & Development
North Creek, N.Y., W. Dist.
North Mankato, Minn., W. Dept.
North St. Paul, Minn., Pub. Util. Com.
North York, Township of (Willowdale, Ont.)
Northern Indiana Pub. Serv. Co. (Hammond, Ind.)
Northport W.W. Co. (New York, N.Y.)
Norton, Va., Town of
Norwich, City of (Norfolk, England)
Nova Scotia Bd. of Insurance Underwriters
Nutley, N.J., W. Dept.

O

Oakmont W. Authority (Verona, Pa.)
Oakville, Ont., W. & Lt. Com.
Ocala, Fla., W. Dept.
Oconomowoc, Wis., W. Dept.

Ohio Inspection Bur.
Ohio W. Resources Bd.
Oil City, Pa., Bur. of W.
Olean, N.Y., W. Dept.
Omaha, Neb. Metropolitan Util. Dist.
Orillia, Ont., W., Lt. & Power Com.
Orlando, Fla., Pub. Util. Com.
Ottawa, Kan., W. & Lt. Dept.
Owego, N.Y., W.W.
Owosso, Mich., W. Dept.

P

Paducah, Ky., W.W.
Palisades Del Rey W. Co. (Los Angeles, Calif.)
Palm Springs, Calif., W. Co.
Pampa, Tex., W. & Sewer Dept.
Pan American Refining Corp.
Panama Canal (Balboa Heights, C.Z.)
Paris, France, Compagnie Générale des Eaux
Parker Lab.
Pasadena, Calif., W. Dept.
Payette, Idaho, W. Dept.
Penetanguishene, Ont., W. & Lt. Com.
Pennichuck W.W. (Nashua, N.H.)
Peoria Heights, Ill., W.W.
Peru, Ind., City of
Peshtigo, Wis., W. Dept.
Peterborough, Ont., Util. Com.
Petoskey, Mich., City of
Petrolia, Ont., Pub. Util. Com.
Phenix City, Ala., Filtration Plant
Philadelphia Suburban W. Co. (Bryn Mawr, Pa.)
Pietermaritzburg, City of (Natal, South Africa)
Pinehurst, N.C., Inc.
Plainview, Tex., W. Dept.
Plattsburg, N.Y., City of
Pomona, Calif., W. Dept.
Port Colborne, Ont.
Port Ewen, N.Y., W. Dist.
Port Hope, Ont., W.W. Com.
Port Jervis, N.Y., W. Dept.
Portland, Ore., Bur. of W.W.
Preble W. Dept. (Green Bay, Wis.)
Preston, Ont., Lt. & W. Com.
Princeton, Ill. W. Dept.
Providence, R.I., W. Supply Bd.
Proximity Mfg. Co.
Pure W. Co. (Logan, W.Va.)

Q

Quebec Provincial Trans. & Commun. Bd.
Quincy, Ill., W.W. Com.

R

Radford, Va., City of
Raleigh, N.C., City of
Raymondville, Tex., City of
Reading, Pa., Bur. of W.
Red Wing, Minn., Bd. of W. Comrs.
Redford Township W. & Sewer Dept. (Detroit, Mich.)
Regina, Sask., W.W. Dept.
Renssalaer, Ind., W. & Lt. Dept.
Renton, Wash., City of
Reynolds Metal Co.
Rheem Mfg. Co.
Ridgetown, Ont., Pub. Util. Com.
Riegel Textile Corp.
Rittman, Ohio, Bd. of Pub. Affairs
Riverside, Calif., W. Dept.
Riverside, Ont., Pub. Util. Com.
Robbins, N.C., W. Dept.
Rockaway, N.J., W. Dept.
Rock Island, Ill., W. Dept.
Rocky Mount, Va., Town of
Rome, N.Y., Bur. of W.
Rowe & Webb Eng. Serv. Co.
Royer, R. Stuart & Assoc.
Rushville, Ind., W., Lt. & Power Plant

S

Sacramento, Calif., Div. of W.
St. James, N.Y., W. Dist.
St. John, N.B., W. & Sewerage Dept.
St. Johnsville, N.Y., Village of
St. Lawrence River Power Co.
St. Louis County, Mo., Health Dept.
St. Marys, Ont., Pub. Util. Com.
St. Paul, Minn., Bd. of W. Comrs.
St. Thomas, Ont., Pub. Util. Com.
Salem, N.J., W. Dept.
Salem, Ore., W. Dept.
Salina, Kan., W.W.
Salt Lake City, Utah, Corp.
San Antonio, Tex., City W. Bd.
San Bernardino, Calif., Bd. of W. Comrs.
San Bernardino County, Calif., Flood Control Dist.
San Diego, Calif., W. Dept.
San Dimas-Charter Oak, Calif., Domestic W. Co.
San Fernando, Calif., W. Dept.
San Francisco, Calif., W. Dept.
San Gabriel County, Calif., W. Dist.
San Jose, Calif., W.W.
Santa Ana, Calif., W. Dept.
Santa Ana Valley Irrig. Co.
Santa Barbara, Calif., City of
Saticoy, Calif., W. Co.
Sayre, Pa., W. Co.
Scarborough Pub. Util. Com. (Toronto, Ont.)
Schenectady, N.Y., City of
Scranton-Spring Brook, Pa., W. Serv. Co.
Seattle, Wash., W. Dept.
Seguin, Tex., City of
Servel, Inc.
Seven-Up Co.
Sewickley, Pa., Comrs. of W.W.
Sheboygan, Wis., Bd. of W. Comrs.
Sheffield, England, Corp. W.W.
Shenango Valley W. Co. (Sharon, Pa.)

Sierra Pacific Power Co.
Sigler, Clark & Winston
Siler City, N.C., Town of
Siloam Springs, Ark., City of
Silver City, N.M., W. Dept.
Simcoe, Ont., Pub. Util. Com.
Singapore, Straits Settlement, Munic. of
Sioux Falls, S.D., W. Dept.
Smith Falls, Ont., W. Com.
Smith-Douglass Co.
Socony-Vacuum Oil Co.
South Boston, Va., Town of
South Gate, Calif., City of
South Jersey Assn. of W. Supts.
South Pasadena, Calif., City of
South Penn Oil Co.
Southern California W. Co. (Los Angeles, Calif.)
Spokane, Wash., City of
Springfield, Ill., City W., Lt., & Power Dept.
Standard Brands, Inc.
Statesville, N.C., City W. Dept.
Staunton, Va., City of
Sterling, Colo., City of
Sterling, Kan., W. Dept.
Strathroy, Ont., Pub. Util. Com.
Stuttgart, Ark., Munic. W.W.
Suburban W. Co. (San Francisco, Calif.)
Sydney, N.S., W. Dept.
Syracuse, N.Y., Dept. of Eng.

T

Tavistock, Ont., Pub. Util. Com.
Technical Assn. Pulp & Paper Industry
Teck, Ont., Township of
Tennessee Eastman Corp.
Texas Gulf Sulphur Co., Inc.
Texas & Pacific Ry. Co.
Texas W. Co. (Fort Worth)
Thompson, R. M., Co.
Thorold, Ont., Pub. Util. Com.
Tilbury, Ont., Pub. Util. Com.
Tillsonburg, Ont., Pub. Util. Com.
Timmins, Ont., Corp. Town of
Tomahawk, Wis., Munic. W. Util.
Tonawanda, Town of (Kenmore, N.Y.)
Toronto, Ont., Dept. of Works
Trenton, N.J., W.W.
Trenton, Ont., Pub. Util. Com. of
Troy, N.Y., Bur. of W.
Truehart & Caldwell
Tulsa, Okla., W. Dept.
Tuscaloosa, Ala., City of
Two Harbors, Minn., City of

U

Uniondale, N.Y., W. Dist.
United Filters & Eng., Ltd.
Utah State Dept. of Health

V

Valdese, N.C., W.W.
Ventura, Calif., W. Systems
Vermillion, S.D., W. Dept.
Vernon, Calif., City of
Victoria, Tex., W. Dept.
Vineland, N.J., W. Dept.
Vista, Calif., Irrig. Dist.

W

Wake Forest, N.C., Town of
Wallaceburg, Ont., W. Com.
Walton, N.Y., W. Co.
Washington, N.C., Elec. & W. Dept.
Washington Suburban San. Com. (Hyattsville, Md.)
Washington W. Power Co.
Water Works Serv. Co. (New York, N.Y.)
Waterford, Ont., Pub. Util. Com.
Waterloo, Iowa, W.W.
Wauwatosa, Wis., City of
Wayne County, Mich., Bd. of County Road Comrs.
Waynesboro, Va., City of
Weimar, Tex., City of
Weldon, N.C., W. Dept., Town of
Welland, Ont., Bd. of W. Comrs.
Wellington, Tex., City of
West Columbia, Tex., W. & Sewer Depts.
West Lafayette, Ind., W.W. Co.
West Palm Beach, Fla., W. Co.
West University Place, City of (Houston, Tex.)
West Virginia State Health Dept.
Westbury, N.Y., W. Dist.
Westchester County, N.Y., Dept. of Health
Westchester Joint W.W. No. 1 (Mamaroneck, N.Y.)
Wharton, N.J., Bd. of Pub. Works
Whatcom County, Wash., W. Dist. No. 2
Whitby, Ont., Pub. Util. Com.
White Plains, N.Y., Dept. of Pub. Works
Whittier, Calif., City of
Wichita, Kan., City of
Wilmington, N.C., W. & Sewerage Dept.
Windsor, Ont., Util. Com.
Winona, Minn., Bd. of Munic. Works
Wolcott, N.Y., Village of
Woonsocket, R.I., W. Dept.

Y

York, Township of (Toronto, Ont.)

MUNICIPAL SERVICE SUBSCRIBERS

See Consolidated List of Members, pp. 1–177, for addresses and other data

Auburn, N.Y., W. Dept.
Ballston Spa, N.Y., W. Dept.
Bath, N.Y., Elec., Gas & W. System
Buffalo, N.Y., Div. of W.
Erie County, N.Y., Dept. of Health
Franklin Square, N.Y., W. Dist.
Fulton, N.Y., W. Dept.
Glens Falls, N.Y., Bd. of W. Comrs.
Gloversville, N.Y., W.W.
Greece, Town of, W. Dept. (Rochester, N.Y.)
Hempstead, N.Y., Inc. Village of
Ilion, N.Y., Bd. of W. Comrs.
Irvington, N.Y., W. Dept.
Larchmont, N.Y., Village of
Manhasset-Lakeville, N.Y., W. Dist.
Middletown, N.Y., W. Dept.
Nassau County, N.Y., Dept. of Health
Nassau County, N.Y., Dept. of Pub. Works
Ossining, N.Y., Bd. of W. Comrs.
Oswego, N.Y., Dept. of W.
Poughkeepsie, N.Y., Bd. of Pub. Works
Seneca Falls, N.Y., W. Dept.
Sherrill-Kenwood, N.Y., W. Dist.
Silver Creek, N.Y., W.W.
Tupper Lake, N.Y., Munic. W. System
Ulster County, N.Y., Dept. of Health
Wappingers Falls, N.Y., Dept. of W. Supply
West Virginia Pub. Serv. Com.
Williston Park, N.Y., Inc. Village of
Yonkers, N.Y., Dept. of Pub. Health

ASSOCIATE MEMBERS

With name of official representative to A.W.W.A. and address

Albert Pipe Supply Co., Inc., John J. Dougherty, Gen. Mgr., Berry & N. 13th Sts., Brooklyn 11, N.Y.

Alhydro, Inc., Albert C. Brumley, Pres., 516 N. Charles St., Baltimore 1, Md.

Allied Chemical & Dye Corp., *see* Barrett Div.; General Chemical Div.; Solvay Sales Div.

Allis-Chalmers Mfg. Co., Grant M. Hinkamp, Engr., Public Works, Industrial Sales Dept., Box 512, Milwaukee 1, Wis.

Ambursen Eng. Corp., 295 Madison Ave., New York 17, N.Y.

American Brass Co., Frank G. Smith, Asst. Metallurgist, 414 Meadow St., Waterbury 88, Conn.

American Cast Iron Pipe Co., Lester Long, Asst. Gen. Sales Mgr., Box 2603, Birmingham 2, Ala.

American City, The, Edgar J. Buttenheim, 470—4th Ave., New York 16, N.Y.

American Concrete Pipe Assn., Howard F. Peckworth, Mng. Director, 228 N. LaSalle St., Chicago 1, Ill.

American Cyanamid Co., J. D. Lowery, Mgr., Heavy Chemicals Dept., 30 Rockefeller Plaza, New York 20, N.Y.

American Foundry & Mfg. Co., 1015 Hebert St., St. Louis 7, Mo.

American Iron & Steel Institute, George D. Lain, Research Engr., 350—5th Ave., New York 1, N.Y.

American Pipe & Construction Co., Robert V. Edwards, Vice-Pres., Box 3428 Terminal Annex, Los Angeles 54, Calif.

American Water Softener Co., George S. Garrett, Treas., Lehigh Ave. & 4th St., Philadelphia 33, Pa.

American Well Works, Inc., C. A. Scott, Vice-Pres., Aurora, Ill.

Anderson, Mark J. & Co., Mark J. Anderson, Pres., Box 803, Tampa 1, Fla.

Armco Drainage & Metal Products, Inc., R. C. Beam, Mgr., Welded Pipe Sales Div., Curtis St., Middletown, Ohio

Art Concrete Works, Frank M. Brooks, Gen. Mgr., Box 417, Pasadena, Calif.

Atlas Foundry & Machine Co., Joe L. Long Jr., Vice-Pres., 3012 S. Wilkeson St., Tacoma 1, Wash.

Atlas Mineral Products Co. of Pa., George L. Wirtz, Pres., Mertztown, Pa.

Aurora Pump Co., Frank S. Main, Pres., 629 Locust St., Aurora, Ill.

Automatic Control Co., William L. West, Pres., 1005 University Ave., St. Paul 4, Minn.

Automatic Pump & Softener Corp., Bruce W. Johnson, Vice-Pres., 2412 Grant Ave., Rockford, Ill.

B.C. Concrete Co., Ltd., A. W. G. Clark, Mng. Director, 1025 W. 77th Ave., Vancouver, B.C.

Babcock & Wilcox Co., The, John B. Romer, Consultant, Materials Lab., Research & Development Dept., Box 835, Alliance, Ohio

Bacharach, E. W., Inc., E. W. Bacharach, Pres., 800 Rialto Bldg., Kansas City 6, Mo.

Badger Meter Mfg. Co., J. E. Johnston, Gen. Sales Mgr., 2371 N. 30th St., Milwaukee 10, Wis.

Baker, R. H., Co., Inc., John J. Scotto, Gen. Mgr.-Secy.-Treas., 2070 E. Slauson Ave., Huntington Park, Calif.

Barada & Page, Inc., W. M. Betts, Pres., Guinotte & Michigan Aves., Kansas City 1, Mo.

Barrett Div., The, Allied Chemical & Dye Corp., 40 Rector St., New York 6, N.Y.

Belco Industrial Equipment Div., Vincent F. Lamela, Gen. Mgr. in Charge of Sales, 52 Iowa Ave., Paterson 3, N.J.

Bethlehem Steel Co., H. O. Hill, Asst. Chief Engr., Bethlehem, Pa.

Bingham & Taylor Corp., Joe H. Gardner, Pres. & Treas., 1401 Jefferson Davis Highway, Arlington, Va.

Birch Mfg. Co., William T. Birch, Owner & Mgr., Birch Mfg. Co., 1523 Sedgwick St., Chicago 10, Ill.

Bird-Archer Co., George H. Sill, 4337 N. American St., Philadelphia 40, Pa.

Bird-Archer Co., Ltd., Harry Jensen, 503 McGill Bldg., Montreal, Que.

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Albertville: Munic. Utils. Bd.
Alexander City: Swanson, Veazey
Andalusia: Cobbs
Anniston: Deas, Knowlton, M & H Valve & Fittings Co., Perkerson
Attalla: Gray
Auburn: Lowe
Bessemer: Mills
Birmingham: Am. Cast Iron Pipe Co., Barr, Basenberg, Beeny, Berberich, Birmingham Indus. W. System, Birmingham W.W. Co., Carson-Cadillac Corp., Cockrell, Crabbe, Cunningham, Day, Decker, Draper, Ellis, Eshelman, Gilmer, Goodwin, Hendon, Krebs, Lemert, MacKenzie, Matthews, McCreery, McWane Cast Iron Pipe Co., Miller, T. E. Moore, W. D. Moore, Myers, O'Toole, Pollock, Reed, Silver, Starnes, Tate, G. W. Wall, V. M. Wall, Wittichen
Decatur: Godwin
Dothan: Holloway
Florence: Crow, Gober, Valentino
Foley: Riviera Utils. W. Dept.
Fort Payne: Ladd, Strange
Gadsden: Hammond, Lankford, Watford
Heflin: Wager
Jasper: Quinby
Lafayette: Hollinsworth
Langdale: Scott, Wickham
Leeds: Scott
Marion: Block
Mobile: Converse, Luquire, Pound, W.W. Dept.
Montgomery: Beck, Clarke, Cowham, Crockett, Dean, Jacobs, Kenan, Plummer, Salter, Snow, White
Ozark: Collins
Pepperill: Ray
Phenix City: Filtration Plant
Prichard: Lamon
Sheffield: Crockett, Hooper
Sylacauga: Campbell
Troy: Pointer
Tuscaloosa: City of Tuscaloosa
University: Dunstan, Gran, McIlvaine
Wilson Dam: Thomas

ARIZONA

Flagstaff: Weidner
Fort McDowell: Tomkinson
Globe: Wilson
Holbrook: Brinkerhoff
Inspiration: Inspiration Cons. Copper Co.
Mesa: Hoover
Miami: Luchessa
Morenci: Morenci W. & Elec. Co.
Phoenix: Arizona-Edison Co. Inc., Augustine, Bennett, Carollo, Fitch, Gardner, Harris, Hastain, Keyes, Ladlow, Marx, Matthews, McLean, Miles, Miller, Perry, Reynolds Metal Co., Rotthaus, Ryan, Spector, Stewart, Travaini, Williams, Wittman, Yost
Pima: Frederickson
Prescott: Fuller, Henderson
Safford: Rhoads
Tempe: Cushing
Tolleson: Whyman
Tucson: Martin, Rauscher, Stufflebean

ARKANSAS

Arkadelphia: Guice
Batesville: Walbert
Bauxite: Alcoa Mining Co., Nelson
Benton: Young
Blytheville: Allen
Booneville: Smith
Carlisle: Urton
Clarendon: Lambert
Clarksville: Clarksville Lt. & W. Co.
Conway: Gordy
Crossett: Crossett Pub. Utils. Co.
Dumas: Farabough
El Dorado: Corson
Eudora: Mathis
Eureka Springs: Ames
Fayetteville: Baker, Brown, Hale, Spencer
Forrest City: O'Fallin
Fort Smith: Bruce Co. Inc., Davidson, Hines, Medlen
Gravett: Helton
Hampton: Ables
Harrisburg: Baker
Hope: Thomas
Hot Springs: Tolburg
Hot Springs National Park: Munic. W. System
Jonesboro: W. & Lt. Plant
Lewisville: Clayton
Little Rock: Carter, Crist, Davies, Dees, Dickinson, Fardahl, French, Garms, Henry, Hinton, Jackson, Lefever, Mayhan, McDonald, Mehlburger, Munic. W.W., Ross, Ryan, Van Trump, E. F. Wilson, J. H. Wilson
Magnolia: Embree
Malvern: Moore, Wallis
Mansfield: Allen
Marianna: Sanderson
Marmaduke: City of Marmaduke
Mena: W.W.
Newport: Rigley
North Little Rock: Montgomery

Ozark: Sells
Paragould: Phillips
Paris: Dandridge
Pine Bluff: Brown, General W.W. Corp., Pierce, Richardson
Searcy: Steward
Siloam Springs: City of Siloam Springs, Wills
Springdale: Highfill
Stuttgart: King, Munic. W.W.
Texarkana: Wood
Van Buren: Peer
West Helena: Byerley

CALIFORNIA

Alameda: Pierce, Vandenberg
Alhambra: Clay, Philips, Reinhardt
Altadena: Benedum
Anaheim: Hannum
Antioch: Biglow, Tillman
Arcadia: Lee, Slee
Arcata: Wyatt
Arroyo Grande: Ewing
Arvin: Stockton
Azusa: Calvert, Smith, Southern Pipe & Casing Co.
Bakersfield: Winlack
Baldwin Park: Baldwin Park Co. W. Dist., United Concrete Pipe Corp.
Banning: Gillespie
Bell: Dahout, Stauffer
Bell Gardens: Brown
Belmont: Davis
Berkeley: Andrews, Blumberg, Chadwick, Chamberlain, Faw, Foreman, Foster, Gotaas, Gray, Hyde, Langelier, Lawrence, Ongerth, Ramseier, Reinke, Scobey, Shapiro, Stewart
Beverly Hills: O'Leary, W. Dept.
Bishop: Bulpitt
Brawley: Boardman
Buena Park: Allin
Buena Vista: Blain
Burbank: Bates, Harrison, Poling, Pub. Service Dept., Sparling
Burlingame: Hillsborough W. Dept., Kells, Lanigan
Campbell: H. H. Hyde, R. H. Hyde, Silberbauer
Carlsbad: Fraser
Carmel: Neill
Carpinteria: Maloney
Centerville: Alameda Co. W. Dist.
Ceres: Vincent
Chico: Hendrix
Claremont: Balch
Clearwater: Jones
Colton: Ham, Keller, Maxwell, McKersie, Miller, West
Compton: Harris, Park
Corona: Brewer, Hall
Costa Mesa: Fairview Co. W. Dist., Swartz
Crescent Mills: Sorsoli
Cudahy: Jones
Culver City: Cleveland
Dinuba: Cole, Lane
Downey: Williamson
East Pasadena: Heiss
El Cerrito: Heddell
El Monte: Bader, Cleminson, Ells, Moseley
Elsinore: Albright
Emeryville: George P. Forni
Eureka: Coupal
Fall Brook: Pub. Util. Dist.
Fontana: Hasbrouck
Fortuna: Kaiser Co. Inc., Ross
Fresno: Ashley, Hall, W. Dept.
Fullerton: Walters
Glendale: Goldak Co., Kenwell Corp., Moody, O'Neill, Pub. Service Dept., Skinner
Glendora: Warren, W. Dept.
Greenville: Bidwell
Hawthorne: Airways W. Co. Inc., Desmond, Lloyd, Munic. W.W.
Hayward: Burt, Collins
Healdsburg: City of Healdsburg
Hollister: Holsworth
Hollydale: Dayton Fdry., Rogers
Hollywood: Elec. Fish Screen Co., Smith, Spraker
Huntington Park: R. H. Baker Co., Ebright, Leeson, Link, Robinson
Hynes: Anderson, Duke
Independence: Parratt, Phillips, Ritch
Indio: Nichols, Von Rader
Inglewood: Renshaw, W. Dept.
La Canada: Richards
La Crescenta: Mountain W. Co., Wirz
Laguna Beach: Laguna Beach Co. W. Dist.
La Habra: Launer
La Mesa: La Mesa, Lemon Grove & Spring Valley Irrigation Dist.
La Verne: Aultman
Lindsay: Patchen, Trauger
Lomita: Cook, Lucas
Lompoc: Lt. & W. Dept.
Long Beach: Brown, Garrett, Harmon, Hearne, Higgins, Lakewood W. & Power Co., Lunt, McCallister, O'Reilly, Penland, Porter, Schafer, Tallon, Thomas, Thompson, Vessey, W. Dept., Wells
Los Angeles: Alderman, Alexander, Am. Pipe & Constr. Co., Ault
Bagford, Banks, Barclay, Bennett, Berlanger, Binford, Bird, Bodnar, Boezinger, Bowen, Bramman, Breitkreutz, Brewer, Briggs, Brisbane, F. Brooks, T. Brooks, Brown, Bulot, Bundy, Byron Jackson Co.
Camp, Camy, Carder, Carlton, Carmien, Cassidy, Cates, Chapton, Chase, Claberg, Clark, Conkling, Cons. Western Steel Corp., Copeland, Cowan, Cutler

Dandridge, Davenport, Dept. of W. & Power, Derby, Diemer, Doll, Dudley, Dundas, Dunham, Dunn, Durant, Dye
H. L. Edwards, R. V. Edwards, Egan, Eich, Elder, Epstein, Erickson, Erwin, Evans
Farrell, Fenton, Ferem, Field, FitzGerald, Flexible Sewer-Rod Equip. Co., Francis, Frank, Franklin, Fraser Util. Supply Co.
Ghiotto, Goit, Goudey, Graham, Grant, Green, Gresham
Haag, Hagenmaier, Harmon, Harnish, Harwood, Havlina, Hayes, H. B. Hemborg, R. E. Hemborg, Henderson, Hicks, Hill, Hindes, Hinmon, Hiskey, Horandt, Horstmann, Howard Supply Co., Hurlbut
Isaacson, Itter
Jobe, Johnson, Johnston, James Jones Co. Inc., Jones, Jorgensen
Karr, Keeler, Keller, King, Kivari, Kleinbach, Koebig
Lake, Larson, Lavelle, Laverty, Lawson, Leahey, Lewis, Logsdon, Lohman Bros. Inc., Long, Luippold, Lunt
Mamrelli, Manock, Mayer, McCurdy, Merrell, Metropolitan W. Dist. of Southern Calif., Metz, Morris, Moss, Mowder, Mudge, Mylander
Natural Gas Equip. Inc., F. G. Nelson, S. B. S. Nelson, Northrop
Oberholtz, Osborn, Osborne, Owen
Palisades del Rey W. Co., Parker, Pearce, Peerless Pump Div., Pickett, Plotkin, Price
R. P. B. Corp., Rawn, Reliable Iron Fdry. Inc., Rener, Rich Mfg. Co. of Calif., Ridenour, Rider, M. C. Robinson, S. B. Robinson, Rowe
Sanchis, Sanders, Schiller, Schneider, Schuhmacher, Sharp, Shildmyer, Shonerd, Skinner, E. O. Slater, L. N. Slater, Small, Snyder, Socha, Sonderegger, Sopp, Southern Calif. W. Co., R. W. Sparling, Stephan, Stevenson, Swanson, Swen, Swift, Swinney
Thompson, Tibbett, Tillman, Titus, Townsend, Triay, Twohy
U.S. Electrical Motors Inc., Updegraff
Vail, Vanden Bossche, Van Meter, Van Norman, Velliquette, Vicini, Volk, Vrooman
Walsh, Webb, Weight, Weir, Welmon, Welsh, Western City Magazine, Western W.W. Supply Co., Whitman, Wilfong, C. Wilson, J. F. Wilson, Q. Wilson, Wright, Wyckoff
Youngquist

Madera: Cook
Manhattan Beach: Gierlich
Martinez: Kelleher, Nutting
Marysville: Stolp
Maywood: McCann
Menlo Park: Cook
Mentone: Tate
Merced: Casad, Cornell
Mill Valley: Shaler
Millbrae: Keyak, Medbery, Tracy
Modesto: Beard, Tanner
Mojave: Fleming
Monrovia: Gardner, Keirn, Streicher, Tonglet
Montebello: Glancy, Montebello Land & W. Co.
Monterey: Beenfeldt, Goldsworthy, Lyon
Monterey Park: Davis, Gould
Mountain View: Lewis
National City: Fuller, Gibbs, Hess, Poulter
Needles: McCorkle
Newport Beach: McMillan, Patterson, Webb
Niles: Glassbrook
Oakland: Ballou, Blanchard, Borgeson, Burnson, Connors, Coppage, De Costa, East Bay Munic. Util. Dist., Forgey, Grove Regulator Co., Hennessy, Hersey, Hommon, Hughes, Irving, Kennedy, Knudsen, Lee, Longwell, McLean, Moullet, Noel, Osborn, Prodanovich, Read, Root, Trahern, Weed, Wintz
Oceanside: Weese
Ontario: Martin, Monte Vista Co. W. Dist.
Orange: Santa Ana Valley Irrigation Co., Thompson
Oxnard: Isham
Palm City: Myers
Palm Springs: Palm Springs W. Co.
Palo Alto: Fisher Research Lab. Inc., Jenks, Kingman, May, Miller, Seufer
Palos Verdes Estates: Haggott
Pasadena: Ackerman, Art Concrete Works, Aubery, Banta, Blackburn, Jerauld, Jones, Ludwig, Lynde, Metcalf, Montgomery, Pomeroy, Ritzel, Ross, Simmons, Smith, Thomas, W. Dept., Wesson
Petaluma: Hill
Pico: Robinson
Pittsburg: Copeland, Enes, Heck
Playa del Rey: Lamar
Pomona: Brinton, W. Dept.
Puente: Garnier, Svenson
Rancho Santa Fe: Bakewell
Redlands: Hinckley
Redondo Beach: Carlson
Redwood City: Blom
Rialto: Fontana Ranchos W. Co.
Richmond: Easthagen
Rivera: Collins
Riverbank: Segerstrom
Riverside: Chawner, Kennedy, Rowe & Webb Eng. Service Co., W. Dept.
Sacramento: Blote, Div. of W., Hoskinson, Klaus, McGrath, Poland, Strock, Thomas, Thomasson
Salinas: Adcock, Patterson

San Bernardino: Bd. of W. Comrs., Coughlin, Currie, Gannon, Hosegood, Muscoy Mutual W. Co. No. 1, Perry, Poet, San Bernardino Co. Flood Control Dist.
San Clemente: Bennett
San Diego: Arnold, Beermann, Campbell, Dodson, Edwards, Gray, Holmgren, Nesbit, Phelps, Rhodes, Thomas, W. Dept.
San Dimas: San Dimas-Charter Oak Domestic W. Co.
San Fernando: W. Dept.
San Francisco: Abbott, Albert, Anderson, Badger, Barbee, Barker, Bauer, Benas, Blair, Bovard, Brown, Brune, Caldwell, California Dept. of Pub. Health, Catey, Cons. Western Steel Corp., Cook, Crellin, Doyle, Duncan, Durbrow, Eby, Eckart, Elsener, Farrington, Flaa, Forbes, Forrest, Foster, Fraschina, French, Gill, Gilmore Steel & Supply Co., Golden, Great Western Div., M. Greenberg's & Sons, Ham, Hausmann, Henderson, Hernandez, Hinman, Humphries, Hunter, Inertol Co. Inc., Jack, Kaufman, Keil, Kempkey, Kennedy, Kopp, Lane, Lange, Lauenstein, Lee, Loveland, MacKall, Mahon, Martindale, Mayes, McAtee, McKay, Morrow, Muth, Nenzel, Nilmeier, Norgaard, Norris, O'Connell, Parsons, Pelton W. Wheel Co., Peterson, Pracy, Pratt, Radcliffe, Reeves, Reinhardt, Roberts, Rodolf, Shaw, Smith, Snook, Stava, Suburban W. Co. (San Francisco), Trone, W. Dept., W. Works Supply Co., Webster, Weir, White, Wilkins, Zwick
San Gabriel: Ebaugh, Jessup, Lewis, Rice, San Gabriel Co. W. Dist.
San Jose: Challenger Mfg. Co., Dodge, Harris, Kendall, Lynn, Mau, Parbury, Rossum, Ruth, Villaruz, Viquier, W.W.
San Marino: Fiscus, Garfield, Gram, Hudson
San Mateo: Fortner, Stolp
San Rafael: Peters
Santa Ana: Bacon, Blakeley, Brogan, Dierker, Gardner, Kimball, Neighbour, W. Dept.
Santa Barbara: City of Santa Barbara, Pearl, Pinkham, Sexton, Smith
Santa Clara: Dixon
Santa Cruz: Cooper, Luthin, Sousa, Tait, Webber
Santa Maria: Peterson
Santa Monica: Hostrup, Van Benschoten
Santa Paula: Giacomazzi
Santa Rosa: Adams
Saticoy: Saticoy W. Co.
Sebastapol: Shultz
Sierra Madre: Swanson
Signal Hill: Irvine
South Gate: City of South Gate, Rheem Mfg. Co., Stauffer Mfg. Co.
South Pasadena: Alcorn, Dollison, Goodspeed, City of South Pasadena, Walter
South San Francisco: Smith-Blair Inc.
Stanford University: Reynolds
Stockton: Howell, Rammer, Suters
Sunland: Shull
Sunnyvale: Coates, Pollard
Temple City: Martin
Tomales: Vanoni
Torrance: McVicar, Quandt, Stanger
Tustin: Browning
Twentynine Palms: Abell
Van Nuys: Bascom, McDaniel, Smith, Weiss
Venice: Hubbard
Ventura: W. System
Verdugo City: Carter
Vernon: City of Vernon, McCurdy Sand & W. Separator Co.
Visalia: Anderson
Vista: Kimball, Vista Irrigation Dist.
Watsonville: Hushbeck
Whittier: City of Whittier, Fuller, Mathisen
Wilmar: Stang
Wilmington: Graham, Lane
Woodland: Martin
Yorba Linda: Lewis
Yreka: Potter
Yuba City: Reed
Yucaipa: Sturtevant

COLORADO

Boulder: W. Dept.
Brighton: Logsdon, Samson
Canon City: W. Dept.
Climax: Wamsley
Colorado Springs: Bryson, Glass, Truman, Willis
Denver: Anderson, Bardwell, Bickel, Brennan, F. M. Brown, J. O. Brown, Burgess, Cary, Cederberg, City & Co. of Denver, Coberly, Davis, Dawson, Day, Fitchett, Freeman, Garrett, Graves, Gross, Hendrie & Bolthoff Mfg. & Supply Co., Hinkle, Holden, Hoop, Howe, Kepner, Krieger, Larson, Lipke, Lyndes, Manning, Mars, McGowan, McLaughlin, Millikin, Mulligan, Needham, Osborn, Priess, Riepe, Ripple, Ryan, Sandquist, Tracy, Turre, Vaseen, Warner, Wells, Werth, Yarabeck
Englewood: Munns
Estes Park: Tallant
Fort Collins: City of Fort Collins
Fort Morgan: Babcock
Grand Junction: Hill
Greeley: City of Greeley
Gunnison: Noice
Julesburg: Town of Julesburg
La Junta: Goodhue
Leadville: Anderson

Longmont: Runyan
Loveland: City of Loveland
Palisade: Nisbet
Pueblo: Jones, Wagner
Rifle: Moore
Sterling: City of Sterling
Trinidad: Gregory
Wheat Ridge: Morgan

CONNECTICUT

Ansonia: Bristol
Avon: Siegmund
Bridgeport: Bridgeport Brass Co., Gately, Rothman, Senior
Bristol: Thiery
Danbury: Tarlton
Darien: Provost
Derby: Birmingham W. Co.
Greenwich: Citizens Utils. Co.
Hartford: Dillon, Forrestall, Gentner, Griswold, Minkus, Newlands, Nuesse, Peck, Saville, Scott, Wright
Madison: Payne Dean & Co.
Middletown: W. Dept.
Naugatuck: Moody, Squires
New Britain: W. Bd.
New Haven: Jacobson, Minor, Mort, Novaro
Noroton: Rudd
Norwalk: Riordan
Ridgefield: Collins
Southington: Bowers
Stamford: Ketcham, Sanborn
Thompsonville: Bristol, Schwabe
Waterbury: Am. Brass Co., Bristol Co., Chase Brass & Copper Co., Kelly, Nido, Stratton
Westport: Darby

DELAWARE

Bellevue: Van Trump
Dover: Beckett, Macomber, Wilcox
New Castle: Benton, Heintz
Wilmington: Baumgartner, Feeney, Hann, Muddiman, Showell, Wills

DISTRICT OF COLUMBIA

Washington: Allen, Auld, Boynton, Canham, Caplan, Cary, Coblentz, Collins, Day, DeMartini, Dist. of Columbia Govt., Dowe, Dworsky, Engle, G. E. Ferguson, G. W. Ferguson, Fiedler, Fisher, Fuhrman, Gorman, Graeser, Green, Guyton, Harrington, Hastings, Henson, Hope, Jemian, Johnson, Kappe, Karpen, Lauter, Leh, Linderman, Logan, Love, Macqueen, McCallum, McClung, Mendelsohn, A. P. Miller, E. D. Miller, Nasi, Orndorff, Paulsen, Pfreimer, Porter, Ridgway, Roarhrig, Sassani, Sayre, Schmitt, Sette, Sherman, Sherwani, Snow, Tracey, Trombetta, Voigt, White, Wilberding, Wood

FLORIDA

Arcadia: W. Dept.
Bartow: Cowden, Gardenhire Bros. Inc.
Boca Raton: Colvin
Bradenton: Armstrong, Burrowes, Carnahan, Paul
Canal Point: Kingsley
Clearwater: Bennett, Boyce, Butler, Keller, Thompson
Clewiston: City of Clewiston, Goedhart
Coconut Grove: Bogart, Parker, Thomas
Coral Gables: Easton, Keating, Knight
Crescent City: Sullivan
Daytona Beach: Brennan, Rhynus, Wild, A. E. Williamson, J. Williamson
DeLeon Springs: Kruger
Delray Beach: Cromer
Dunedin: Quinn
Fort Lauderdale: Conine, Fiveash, Gordon, Heasley, Johnson, Nisbit, Rogers, Sherwood
Fort Pierce: Gahn
Gainesville: A. P. Black, C. A. Black, Calaway, Cox, Crow, Gold, Grantham, Kelly, Kiker, Malphurs
Haines City: Marquardt
Jacksonville: Baber, Baker, Barnhill, Bateman, Berk, Borden, Canariis, Cooper, Culver, Ebert, Gillespie, Helwick, Hoy, Hoyt, Lauramore, Lee, Lovejoy, McCall, Miller, National Container Corp., Parks, Pillsbury, Quick, Richheimer, St. John, Smith, Speir, Telfair, Van Reenen, Vinson, Weaver, Wells, Whitmire Tank Co. Inc.
Key West: Florida Keys Aqueduct Com.
Kissimmee: Dibble
Lakeland: Charbonneau
Largo: Kline
Leesburg: Newman
Miami: Connell, Dept. of W. & Sewers, De Wolf, Dodd, Estill, Henry, Hurst, Hyman, Johnson, Kononoff, Linthicum, Preston, Steven, Sydow, Weed, Weigand, Wertz, Wright
Miami Beach: Roth, W. Dept.
Miami Springs: Knox
Neptune Beach: Morris
North Miami Beach: Oeffler
Ocala: Dixie Lime Products Co., Patterson, Taylor, W. Dept.
Orlando: Bachmann, Berkowitz, Cousins, Croll, Finley, Freeman, Johnson, Norris, Phelps, Pub. Utils. Com., Rippey, Scott, Yandre
Ormond: Young
Panama City: Berkstresser, Shope
Pensacola: Bradlee, St. John, Semmes, Smith, Sweeney
Plymouth: Wiggins
Port Orange: Haller
Punta Gorda: Hurd
St. Augustine: Earls

St. Petersburg: Binyon, Gasser, Heiney, McDowell, Oberly, Ridgely, Robertson, Wilson
Sarasota: Carlson, Dodd, Higgins
Sebring: Durrance
South Miami: Brehm
Tallahassee: Cooper, Gunter, Vernon
Tampa: Anderson, Brash, Burnett, Calderara, Ebsary, Long, May, McBride, Pimm
Tavares: Chester
Titusville: Thompson
Vero Beach: Damerow
West Palm Beach: Carroll, Chinn, Culter, Reynolds, Simmons, West Palm Beach W. Co.
Winter Park: Smith

GEORGIA

Athens: Beacham
Atlanta: Avrett, Bell, Blum, Buck, Bullard, Cady, Campbell, Cissna, Clarkson, Coca-Cola Co., Collier, Craig, C. M. Davis, S. K. Davis, De Jarnett, Frith, Gibson, Greene, Harte, Henley, Hicklin, Hodgson, Houston, Houze, Huff, Ingols, Johnson, Kroog, Lenert, Lewis, Maddox, Mees, Melcher, Moore, National Nu Grape Co., Pebworth, Pye, Reddic, Rice, Roberts, Ruggles, Rushton, Russell, Shuff, Siebert, Smedberg, Smith, Spaeder, Storey, Sullivan, Taulman, Tetzlaff, Thompson, Thomson, Vaughn, P. Weir, W. H. Weir, Wells, Wiedeman, Wiley, Wyckoff
Augusta: Cooper, Henson, Wylds
Brunswick: Killian
College Park: Whelchel
Columbus: Dudley, Lowe
Dalton: Parrott
Decatur: Eidsness, Enloe, Starling, Weaver
East Point: Sparks
Elberton: Wallis
Fort Benning: Naehr
Fort Valley: Jones
Griffin: Bryant, Simonton
Hartwell: Baker
La Grange: Sargent
Macon: Bd. of W. Comrs., Matthews
Milledgeville: Hartman
Newnan: Perryman, W. & Lt. Com.
Port Wentworth: Sams
Rome: Angle, Hamler
Savannah: Earl, McKenna, Valentino
Thomaston: George
Thomasville: Dawes, Mathews
Warner Robins: Cater
West Point: Brown

IDAHO

Boise: Briggs, Butler, Flood, Idaho Dept. of Pub. Health, Idaho Surveying & Rating Bur. Inc., Vinson
Bonners Ferry: Buroker
Burley: City of Burley
Jerome: Jerome W. Co.
Kellogg: Bunnell
Lewiston: Berkeley, Hughes, Smolinski
Moscow: Early, Jobe, Univ. of Idaho
Orofino: Hallam
Payette: W. Dept.
Pocatello: Speir
Shoshone: Terry
Wallace: Citizens Utils. Co.

ILLINOIS

Alton: King, Mississippi Lime Co.
Aurora: Am. Well Works Inc., Aurora Pump Co., Barney, Deuchler, Duy, Hauer, Mitchell, Schneller, Sperry, Walker, Walker Process Equip. Inc.
Belvidere: W. Dept.
Benton: Garner
Bloomington: Farnsworth, Williams, Woltmann
Brookfield: Hayford, J. P. Miller Artesian Well Co., Village of Brookfield
Cairo: Hileman
Carbondale: Fly
Carlinville: Adams
Carroll: Boerner
Centralia: City W. Dept.
Champaign: Amsbary, Johnson, Lee, Wilson, Wisely
Charleston: Damann
Chicago: Abplanalp, Alt, Am. Concrete Pipe Assn., Anderson, Anglim
Baldwin, Barksdale, Barron, Bauer, Baylis, Beckman, Behrman, Benjamin, Birch Mfg. Co., Bird, Bodach, C. N. Brown, H. B. Brown, J. R. Brown, Bruah, Bryant W. Tank Service, Burdick, Buschner
Cardox Corp., Carlisle, Carroll, Cella, Chevedden, Chicago Bridge & Iron Co., Chicago Pump Co., Clarke, James B. Clow & Sons, Collins, Colston, Connolly, Consoer, Coughlan, Crane Co., Crawford, Cremens, Cross, Cullen, Cunningham
Dallach, Damberg, Davis, Dearborn Chem. Co., De Berard, De Leuw, Donahue
Eddy, Effa, Egan, Engel, E. T. Erickson, Eric Erickson, C. H. Evans, D. W. Evans, Everson Mfg. Corp.
Fager, Fairbanks Morse & Co., Farrington, Fishtein, Foley, Fulkman
Gayton, Geisler, General Chem. Div., Gerstein, Glover, Goldsmith, F. G. Gordon, S. G. Gordon, Graham, Greeley, Greenleaf, Grider, Grossman, Gullans
D. W. Haering & Co. Inc., Hafner, Harper, J. P. Harris, S. W. Harris, Hatfield, Hawley, Heizer, Hendricks, Hill, Holmes, A. W. Howson, L. R. Howson, Hyatt

Illinois Inspection Bur., Infilco Inc., Iowa Valve Co.
Jewell, D. W. Johnson, P. H. Johnson, S. C. Johnson, Jolly, Jones
Kalinske, Kaplan, Kneer, Kraft, Kreuch, Kroeber, Kuehn
Langdon, Laramy, Le Jeune, B. J. Leland, R. I. Leland, Lessard, Licht, Lindell, Loudenback, Lovett, Lowe, Lynch
Mabbs Hydraulic Packing Co., F. W. MacDonald, R. I. MacDonald, MacGonagle, Madgouranis, Martin, Matarese, Mason, Maxwell, McClenahan, McDonald, McDonough, J. W. Miller, L. I. Miller, Mitchell, Mizwicki, Mohlman, Mortenson, Mrva, Munn
National Aluminate Corp., Niles, Noble
Ogden, Olson
Panula, Pearse, Portland Cement Assn., Price
Randlett, Rettig, Reynolds, Richards, Riedel, Rinehart, Robinson, Ross, Rutt
Sanders, Schmid, Seabrooke, Seidensticker, Sheridan, Sherwood, H. Simmer & Co., Smith, Snow, Stannard Power Equip. Co., Stathas, Steel, Steffen, Stephanoff, Storms
Tatnall, Taylor Forge & Pipe Works, Tempest, Toman, Towns, Trees, Tucker
Valve & Primer Corp., Vaughn
Walker, Waller, Walton, W. & Sewage Works, Waterbury, Weir, Welch, Wilkes, Wilson, Wolfe
Yates
Zink

Cicero: Diamond
Clinton: Corrington
Crete: Gaskill
Crystal Lake: Nelson
Danville: Ankele, Bardwell, Bidle, Clink, Ell
Decatur: Brensley, Cazier, Davis, Greenfield, Harris, Hatfield, Moore, Mueller Co., Van Meter, Van Praag, Warren, White
Des Plaines: Fletcher, Lucey
Dixon: Coe, Lee Co. Health Dept.
Downers Grove: Baylor
East Moline: W.W. Dept.
East St. Louis: Casteel, Horner, Roos, Socony-Vacuum Oil Co., Tillotson
Edwardsville: Fiesler
Elgin: Culverson, Jepson, Kuecker, Lloyd, Scarritt, Trentlage
Evanston: Frye, Gamet, Kessler, Poulsen, Rose
Flossmoor: Konsack
Forest Park: Prehn
Fort Sheridan: Mason
Freeport: Briggs, Hutchins
Galesburg: Pappmeier, W. Dept.
Geneva: Hellstrom
Glen Ellyn: Fortin
Glencoe: Birdsall, Pflanz, Young
Glenview: Loving
Harvey: O'Connor
Highland Park: Prindle
Highwood: Rosalini
Hinsdale: Agrimonti, Winslow
Hollywood: Brookfield-North Riverside W. Com.
Jacksonville: Blesse, Caldwell
Joliet: Barney
Kankakee: Higgins, Minor
Kenilworth: Ruston
Kewanee: City of Kewanee
La Grange: Asay, Griesmeyer, Krause, Patrick, Wesby
La Grange Park: Village of La Grange Park
Lake Forest: W. Dept.
Litchfield: Driscoll
Lockport: Enz, Epstein
Mattoon: H. W. Clark Co., Fuss, Parlett
Minok: Wylie
Moline: Beling, W.W., Zimmer
Monmouth: Jessen
Mt. Vernon: Abbenseth, Fore, Holdren
Murphysboro: Murphysboro W. Co.
Normal: Landes
North Chicago: Burba, Hebior
Northbrook: Culligan Zeolite Co., Leonard
Oak Park: Dutton, Jones
Orion: Lewis
Ottawa: Bakelite Corp., Scherer
Pana: Foil
Park Ridge: Birkeness, Hawkins, Koebling
Paxton: Pitzen
Pekin: Doren, Hecker
Peoria: Austin, Morrow, Walker
Peoria Heights: W.W.
Pontiac: Murphy, Wagner
Princeton: W. Dept.
Quincy: Gelston, W.W. Com.
Rantoul: Aschenbrenner
Robinson: Alton, Schneider
Rock Falls: Hall
Rockford: Automatic Pump & Softener Corp., Illinois W. Treatment Co., Merz, Servisoft Inc., Varner Well Drilling Co.
Rock Island: W. Dept.
St. Charles: Clarke
Skokie: Weber
Springfield: Anderson, Clark, Crawford, Downer, Hagel, Hudson, Klassen, Larson, McDonald, Polk, Sargent, Spafford, Spaulding, W. Lt. & Power Dept.
Staunton: Haferkamp
Steger: Pennington
Sterling: Moomau
Streator: Hord, Miller, Mitchell
Taylorville: Daykin
Urbana: Babbitt, Baumann, Buswell, Dietz, Doland, Enger, Gerber, Hudson, Huston, Knodel, Larson, Millis, Suter, White

Waukegan: Domke, Skyrius
West Chicago: Schacht
West Frankfort: Cotter
Westville: Slazas
Wilmette: De Berard, Frye, Lindeen, Lund, Schmitz, Shaw
Winnetka: French, Miller
Wood River: Andrews, Penning
Woodstock: Corr
Zion: Craig

INDIANA

Anderson: City of Anderson
Auburn: Romeiser
Batesville: Thalheimer
Bedford: Lee
Bicknell: Conrad, De Hart
Bloomington: Crafton, Elford, Vint
Bluffton: Freeland
Brazil: City W.W.
Butlerville: Callon
Carmel: Lamb, Zinsmeister
Chesterton: Radiger
Columbus: Hendricks, Uhl
Covington: City of Covington
Crawfordsville: Mallery
Crothersville: W. & Elec. Dept.
Crown Point: R. V. Youkey, W. V. Youkey
Decatur: Roop
Delphi: W.W.
East Chicago: Dept. of W.W., Graver Tank & Mfg. Co. Inc.
East Gary: Daugherty
Edinburg: Buck, Patterson
Elkhart: Corns
Elnora: Thompson
Elwood: W.W. & Sewerage Plant
Evansville: Bodishbaugh, Brown, Geupel, Henning, Laine, Monroe, Servel Inc., W.W. Dept.
Fort Branch: Redman
Fort Wayne: Baals, Barrett, Fulkerson, Mathews, Milligan
Frankfort: Stern
Franklin: Riggs
Galveston: Lawrence
Gary: Mathews
Goshen: Stack
Greencastle: Stewart
Greenfield: Leary
Hagerstown: W. Dept.
Hammond: Besozzi, Carpenter, Hargleroad, Northern Indiana Pub. Service Co., Studebaker, Tuinman
Huntington: Kindler
Indianapolis: Allen, Ammerman Davis & Stout Inc., Bevington, Boggs, Caldwell, Campbell, Carroll, Carter, Couch, Coughlen, Crabill, Ellsworth, Erganian, Fassnacht, Finch, Frame, Garman, George, Heider, Hopper, Howell, Hurd, Indiana Dept. of Conservation, Indiana State Bd. of Health, Jeup, Kershaw, Kin, Kinney, Kirch, Klaer, Kleinhenz, Kulin, Lemasters, Mason, Matthews, Mauch, Merrick, Miller, Moore, D. P. Morse, H. S. Morse, Niemeyer, Plautz, Poole, Reed, Reilly Tar & Chem. Corp., Rucker, Schiesz, Schwier, Steeg, Susanke, Swingley, Universal Constr. Co., Wilson
Jasonville: Fry
Jasper: Munic. Elec. & W. Dept.
Kendallville: Ludlow
Knightstown: Hewitt
Kokomo: Stearns, Stilwell
Lafayette: Bleakley, Bloodgood, Howland, W.W., Wiley
La Grange: Sikkenga
La Porte: W.W.
Lawrenceburg: Baer, A. D. Cook Inc., Freeman
Lebanon: Burrin
Ligonier: Spurgeon
Linton: Linton Munic. W. Co.
Marion: W. Dept.
Michigan City: Draves, Leonard, Phelps, Ungurait
Mishawaka: City W. & Elec. Plant, Gunderson, Taylor
Monon: Winkley
Mooresville: Steel Protection & Chem. Co. Inc.
Muncie: Newquist
Nappanee: Uline
New Albany: Adams, Falk, Moore, Sudhoff, Wooley
New Castle: Scholl
Osgood: D. W. Brook, H. L. Brook
Peru: City of Peru
Plymouth: Botset, King
Princeton: Ellington
Rensselaer: W. & Lt. Dept.
Richmond: Shoemaker
Rochester: Gordon
Rockport: Baker
Rushville: W. Lt. & Power Plant
Salem: Languell
Scottsburg: Robbins
South Bend: Bushee, Cole, Fulmer, Guenther, Holdren, Parnell, M. B. Skinner Co., Williams
Speed: Dold
Speedway: Schoenewey
Tell City: Bemuel, Powers
Terre Haute: Boling, Canham, Carlson, Gaskins, Hall, Kleiser, Quinn
Union City: Thompson
Valparaiso: Bradley, Coote, Fraser, Shillinger
Versailles: Evans
Vincennes: Schwartz
Wabash: Ford, Ford Meter Box Co. Inc.
Walkerton: Rearick
Washington: Griswold, Gutsch
West Lafayette: West Lafayette W.W. Co.
Whiting: Bartuska
Wolcottville: Boyle
Zionsville: Moore

IOWA

Ada: Nelson
Ames: Brooks, Lawlor, W. Dept.
Bloomfield: Stoakesberry
Burlington: Driftmier, Potter, Thompson
Cedar Falls: Connell
Cedar Rapids: Blomquist, Gearhart, Green, Miller, Scanlon, W.W.
Center Junction: Sieveka
Centerville: Alexander, Hall
Clarence: Fisher
Clarinda: W.W.
Clear Lake: Hinds
Clinton: Meeker
Council Bluffs: Bragg, Flynn, Harrison, Holder, Jensen, Rew, Young
Creston: Russell
Davenport: Myers, Pierce, Wichelman
Des Moines: Bjork, Corcoran, Dice, Harrington, Lovell, D. L. Maffitt, H. C. Maffitt, Maloney, Miller, Myrberg, Patera, Roche, Sampson, Tenny, Thore, W.W., Wieters
Dubuque: Hail, A. Y. McDonald Mfg. Co., Schlie, Varner
Fairfield: Louth
Forest City: Nessa
Fort Dodge: Black, Boyles, Pray, W. Dept.
Iowa City: Bartow, Black, Crawford, Dawson, Iowa Geological Survey, Jeffords, Kelso, Powell, Warren, Waterman, Wolf
Iowa Falls: Burton, Edwards
Keokuk: Garrison
Lake Mills: Waggoner
Manchester: Hoag
Marion: Toms
Marshalltown: Pedersen
Mason City: Jones, Krause, W. Dept.
Mt. Pleasant: McKean
Muscatine: Boynton, Harbaugh, Molis, Smith, Stanley, Van Dyke, W.W.
New London: Peterson
Oskaloosa: Barnes, Ellis, Read
Ottumwa: Brown, Lee
Sioux City: Sutherland
Spencer: Marzec
Storm Lake: Meier, Throckmorton
Tama: Croskey
Waterloo: W.W.
Williams: Allinson

KANSAS

Arkansas City: W. Dept.
Atchison: Weatherford
Augusta: Hamilton, Hime
Beloit: Hougland
Burlington: Kepler
Chanute: Reeves, Williams
Cimarron: Crusinberry
Clyde: Dunphy
Coffeyville: W. & Lt. Dept.
Colby: Collins
Concordia: Powell
Council Grove: Rader
Dodge City: Reynolds
El Dorado: Langdon, McGahan, Saunders
Ellis: Taylor
Emporia: City of Emporia, Cunningham, Roe
Eureka: Culler
Fort Leavenworth: Mortensen
Fort Scott: Overman
Fredonia: Rardon
Garden City: Lightner
Garnett: Culp
Goodland: Lundy
Great Bend: Kilby
Harrodsburg: Johnson
Hays: Basgall, VanDoren
Herington: Nixon
Hiawatha: Solomon, Svaty
Hill City: Anderson
Humboldt: Kaufman, Lindsey
Hutchinson: Jones, Shaffer
Independence: City of Independence
Iola: Klaumann, W.W.
Junction City: W. Dept.
Kansas City: Fisher, Hollowell, Jordan, Kuran, Mangun, Rumsey, Sharp
Kinsley: Thornton
Larned: W. Dept.
Lawrence: Arbuthnot, Broach, Fishel, Fox, Hagar, Hines, Hird, Mau, Metzler, Mounsey, Stoltenberg, W. Dept., Williams
Leavenworth: Johnson, Kansteiner
Liberal: Pittser
Lyons: Ramage
Macksville: Guyer
Manhattan: Van Blarcum
Marion: Baxter
McPherson: Diehl
Merriam: Smith
Mission: Kansas City Suburban W. Co. Inc., Nelson
Neodesha: Pippin
Newton: Beesom, Ginter, Wilkins
Nickerson: Pate
Olathe: Randall, White
Osborne: Quillin
Ottawa: Lawrence, Seevers, W. & Lt. Dept.
Overland Park: Propst
Parsons: Smith, White
Pittsburg: Green
Pratt: Mawdsley
Sabetha: Darby
Salina: Allison, Badley, Kane, Latta & Fent, Sharpe, W.W., Wilson
Sterling: W. Dept.
Stockton: Goodrich
Topeka: Huffman, Pelton, Rector, Sulentic, Willey
Wakeeney: McKenzie
Wellington: Gilcrest, Schubert
Wichita: Brandon, City of Wichita, Dominick, Ediger, Flynn, Hess, Hunter, Meeker, Millar, Peterson, Soder, Young

Winfield: Barker
Yates Center: Sierker

KENTUCKY

Ashland: Brownstead
Benham: Compton
Bowling Green: Hargett
Camp Campbell: King
Carlisle: Clay
Corbin: Sammons
Covington: Fischer, Fleischmann, Harris
Cumberland: Fields
Elizabethtown: Hamilton
Frankfort: Hines, Schleicher, White
Glasgow: Beatty
Guthrie: Dillery
Harlan: Munic. W.W.
Harrodsburg: Johnson
Hazard: Beall
Hopkinsville: Boxley
Jeffersontown: Ennis
Lexington: Bell, Cramer, Jacobson, Kentucky Utils. Co., Latham, Mason, Watkins
Louisville: Aker, Augustus, Cantrell, Connerton, Diehl Pump & Supply Co. Inc., Hopkins, Kentucky State Dept. of Health, Louisville W. Co., Lovejoy, McGonigale, Miller, Payne, Ryan, Stover, Vance, Vogt Mfg. Co., Williams
Madisonville: McCoy, Vannoy
Mayfield: Harrington
Maysville: Hunsicker
Morehead: Rice
Owensboro: Smith
Paducah: Mitchell, W.W.
Paris: Baldwin
Pikeville: Batten
Richmond: Dougherty, Forbes
Russellville: Simmons
Sebree: Craig
Winchester: Thomson

LOUISIANA

Alexandria: Munic. W. Dept., Perry
Bastrop: Porter
Baton Rouge: Bankston, Barnard & Burk, Camp, Carnegie & Smith, Eldridge, Gulf States Utils. Co., Hart, Hirsch, Louisiana Pub. Service Com., Ricketts, Swan, Taylor, Warner
Bunkie: Lacour
Donaldsville: McCord
Hammond: Mentz
Harvey: Feitel
Homer: Walthall
Houma: Hazlip
Jefferson Parish: Boutall
Kenner: D'Gerolamo
Lake Charles: Savoie, West
Marrero: Lorio
Metairie: Camel
Monroe: Szabo
Natchitoches: Blevins, Sandlin
New Iberia: Gerlich, Winters
New Orleans: Bender, Earhart, Fowler, Fromherz, Gaspard, Haas, Heller, Hodgson, Johnson, Macdonald, Marsh, Morrill, O'Neill, Paterson, Redmond, Richardson, Smith, Wood
Plaquemine: Laville
Port Sulphur: Tuller
Rayville: Blakeman
Shreveport: Amiss, Cole, Fant, Freeman, Preedom, Pullen, Tatum, Weeks
Tallulah: Beach
West Monroe: Fleming

MAINE

Auburn: Parker
Augusta: Anthony, Campbell, Potter
Bangor: Powell, Read
Brunswick: Brunswick & Topsham W. Dist.
Houlton: W.W.
Portland: Coburn, Fuller, Reny, West
Rockland: McAlary
Sanford: Clark
Skowhegan: Wendell
Waterville: Hale
Winthrop: Tarr

MARYLAND

Annapolis: Donaldson, Munroe
Baltimore: Alhydro Inc., Bailey, Baltimore Co. Metropolitan Dist., Beavin, Bennett, Black, Blackburn, Brown, Catanese, Clark, Edwards, Eyler, Flack, Garland, Geyer, Goldsborough, Green, Hablik, Hall, Heyward, Holland, Hopkins, Kaltenbach, Kauffman, Keefer, Kenney, LaMotte Chem. Products Co., Lill, Linden, Lyon, Maryland State Planning Com., Mettee, Ningard, Pell, Powell, Regester, Regnier, Requardt, Ritter, Rohde, Schamberger, Shepherd, Sloan, Small, Stephens, Strohmeyer, Stuart, Stuart Corp., Vollmer, Wagener, Weaver, Werner, Wheeden, Whitman, Wolman
Bethesda: Maier
Cambridge: Chaney
Chevy Chase: Bird, Boyd, Hoskins, O'Connor
Cumberland: Celanese Corp. of America, Edwards, Hitchcock
Fort George G. Meade: Caster, Tawney
Frederick: City of Frederick
Hagerstown: Ferguson, Willson
Hyattsville: Dalton, Devilbiss, Hall, Hannan, Hechmer, Henderson, Jester, Joyce, McLeod, O'Reilly, Owings, Shaw, Washington Suburban San. Com.
Lanham: Beckett
Luke: Patrick
Salisbury: Gardner
Savage: Nichols
Silver Spring: Smith, Sullivan
Sykesville, Hudson

MASSACHUSETTS

Andover: Duffy, French, Tate Pipe Linings Inc.
Athol: Stone
Beverly: Knowlton
Boston: Bogren, Bond, Camp, Chase, Cobb, Coburn, Coffin, Eddy, Ellis, Fales, Gibbs, Halpin, Hersey Mfg. Co., Horne, C. S. Howard, P. F. Howard, Kennison, Kinsel, Mariner, Marston, McKee, Newland, Ossolinski, Red Hed Mfg. Co., Sampson, Shaw, Skinner, Streander, Sullivan, Sweeney, Tufts, Weston
Brockton: Ryan
Brookline: Bushway, Houser, Robie
Cambridge: Campobasso, Fair, Moore, Sawyer, Smallwood, Stanley, Thomas, Trygg, Weinberger, Whipple
Cape Cod: Horton
Concord: Robinson
Danvers: Esty
East Weymouth: Beane
Fairhaven: Long
Framingham: Reed, Rinaldo
Gloucester: Pratt
Greenfield: Field
Haverhill: Driscoll
Holyoke: Bond
Indian Orchard: Chapman Valve Mfg. Co.
Malden: Wentworth
Medfield: Talbot
Medford: Dwyer
Methuen: Mahoney
Milford: Milford W. Co.
Milton: Melley
Millbury: Symonds
Newton: Murray
Peabody: Quirk
Reading: Taber
Sandwich: Chase
Sharon: Dobson
Southbridge: Abbott
Springfield: Carlton, Karalekas, Lochridge
Taunton: King
Wakefield: Lead Lined Iron Pipe Co.
Wareham: Dunham
Wellesley Hills: Revelle
Worcester: Christy, Hardy, Hoy

MICHIGAN

Adrian: Smith, Snedeker
Algonac: Schram
Allegan: Beauvais
Alma: Lanterman
Almont: Tank
Alpena: Helgesom, Olsen
Ann Arbor: Ayres, Boyce, Bugher, Ellerbusch, Hoad, Kent, King, Liedholz, Maynard, McNamee, Muhlitner, Ridenour, Samborski, W. Dept.
Battle Creek: Kimble, McIntosh
Bay City: Harrison, Krzyminski
Bellevue: Decker
Benton Harbor: Russell
Berkeley: Baytes
Berrien Springs: Reitz
Bessemer: Boggio
Big Rapids: Lazell
Birmingham: Egbert, Lamb
Cadillac: Reiser
Caro: Starkey
Coldwater: McQueen
Davison: Smith
Dearborn: Cooper, De Witt, McCallion, Miller, Mullen, Orr, Payne, Shannon, Townsend
Detroit: Anderson, Barrett, Burley, Burnett, Burroughs Adding Machine Co., Corbin, Dalee, Dempster, Detroit Edison Co., Dingler, Dow, Du Bois, DuLac, Feben, Fenkell, Filter-Soft Corp., Garrity, Giffels & Vallet Inc., Glassel, Green, Hirn, Hornshaw, Hubbell, Hulbert, Klang, LaMarre, Lenhardt, Liddle, McBride, McGrath, Meyer, Michael, Morrow, Ohr, Ouellette, Rafter, Redford Twp. W. & Sewer Dept., Remus, H. F. Smith, W. E. Smith, Soffe, Stewart, Thomas, Tiedeman, Wallace, Wayne Co. Bd. of Co. Rd. Comrs., Weinhold, Weitzel, Wright
Durand: Reynolds
East Lansing: Eldridge, Mallmann, Theroux
Ecorse: City of Ecorse
Escanaba: McGuire, Munic. Utils.
Ferndale: Ellis & Ford Mfg. Co.
Flint: Henderson, Keith, Mott, Musser, W. Dept.
Flushing: Hatchew
Frankenmuth: Keinath
Fremont: Senseman
Grand Blanc: Mancour
Grand Haven: Ellis
Grand Rapids: Aaron, Beebe, Boynton, Harris, Mace, Ward, W.W., Williams
Grosse Pointe: Beatty
Grosse Pointe Farms: De Boer, Smith
Grosse Pointe Park: Village of Grosse Pointe Park
Hamtramck: W. Dept.
Harbor Beach: Ritchie
Hazel Park: Neusius
Highland Park: Golden
Hillsdale: Clark
Holland: Bd. of Pub. Works
Iron Mountain: Kovochich, Rubbo, Speer
Ironwood: Johnson
Ishpeming: Kirby
Jackson: Cattell, Kress, Rogeven, Stellingworth
Kalamazoo: Bender, Libby, Norman, Norton
L'Anse: Georgeff
Lansing: Billings, Bd. of W. & Elec. Lt. Comrs., Dye, Erickson, Faust, Hepler, Huntley, Landel Metropolitan Dist.,

Miller, Ness, Pirie, Rich, Vander Velde, Vogt, Worden
Lawton: Garvelink
Lincoln Park: McNutt
Mackinaw City: Schneider
Manton: Swanson
Marquette: City of Marquette, Sloan
Marysville: Horn, W. Dept.
Melvindale: MacDonald
Midland: W. Dept.
Milan: Culver
Mio: Merrill
Monroe: Jennings, Reighard
Mt. Clemens: Hansen, Keils, McEntee
Mt. Morris: Gardner
Mt. Pleasant: Paullin
Muskegon: Black, Cihak, Hansen, Sensabaugh, Stromsta
Muskegon Heights: Matthews
Negaunee: W.W. Dept.
Niles: Robinson
Norway: Tomasini
Owosso: W. Dept.
Petoskey: Carter, City of Petoskey
Pontiac: MacDuff, Monroe
Port Huron: Mueller Brass Co.
Ramsey: Rizzie
Republic: Du Bord
River Rouge: McCord
Rockford: Dennis
Rogers City: Garratt
Royal Oak: Landgraf
Saginaw: Benner, Eckert, Francis, Lemon, Richardson, Spicer, Tarrant
St. Clair: Campbell
St. Clair Shores: Swartz
St. Ignace: Glashaw
St. Louis: Housel
Sebewaing: Davis
South Haven: Smith
Three Oaks: Grosse
Traverse City: Eikey, Traverse City Iron Works
Van Dyke: Ruehle
Wayne: Roan
Willow Run: Herda, Tykosky
Wyandotte: Allen, Hazey, Potts, Randall, Ward
Wyoming Township: Koopman
Ypsilanti: Damoose, Mead

MINNESOTA

Ada: Olson
Aitkin: Nelson
Albert Lea: W. Dept.
Aurora: W. & Lt. Com.
Austin: Bd. of W. Elec. Gas & Power Com.
Brainerd: Zapffe, Zietlow
Bricelyn: Village of Bricelyn
Chaska: Kayeska
Chisholm: Springer
Cloquet: Boyer, Noreus
Duluth: Cutler-Magner Co., Foster, Johnson, Tischer
East Grand Forks: King
Ely: Buccowich
Eveleth: Anderson, Richards, Stauff
Fairmont: Basom, Coult
Faribault: LaRoche
Fergus Falls: W. & Lt. Dept.
Grand Rapids: Hanson
Granite Falls: Barager
Hallock: Jensen
Hastings: Wimer
Henning: Carter
Hibbing: Forsberg, W. Lt. Power & Bldg. Com.
International Falls: Minnesota & Ontario Paper Co.
Keewatin: Boudreau
Luverne: City of Luverne
Mankato: Kircher
Minneapolis: Al-Hakim, Bach, Bell, Bosch, Bromschwig, Brownell, Colvin, Cornell, Estabrook, Finch, Fire Underwriters' Inspection Bur., Flox Co. Inc., Janzig, Jensen, A. S. Johnson, E. W. Johnson, Jones, Lawson, Lundquist, McPeak, Mellen, Minneapolis Com. of W.W., Packard, Podas, Poole, Robbins, Rogers, Schroepfer, Seemann, Seidel, Seydel, Slagle, Stock, Taylor, Thompsen, Vraalstad, Wallace, Wangaard, Whittaker
Moorehead: Pub. Service Dept.
Moose Lake: Dahlmeier
New Ulm: Rynda, Ulrich
North Mankato: W. Dept.
North St. Paul: Pub. Utils. Com.
Ortonville: Kriesel
Proctor: Dardis
Red Wing: Bd. of W. Comrs.
Rochester: Kingston, Marek
St. Cloud: Seibert
St. James: Church
St. Paul: Automatic Control Co., P. C. Bettenburg & Co., Bd. of W. Comrs., De Geer, De Haven, Duvall, Findlan, Grime, Grodin, Edward E. Johnson Inc., Keys Well Drilling Co., McCarthy Well Co., Morris, Mortinson, Mueller, Schudlich, Shepard, Swanson, Thomas, Thompson, Thuma, Waterous Co.
Sauk Centre: MacDermond
Staples: Klang
Stillwater: Grove
Two Harbors: City of Two Harbors
Virginia: Blasing
Waseca: Cooper
Willmar: Lane
Winona: Bd. of Munic. Works, Burleigh

MISSISSIPPI

Amory: Haley
Batesville: Jones
Canton: Munic. Utils.
Cleveland: Thomas
Columbus: W. Dept.
Greenwood: Stott

Jackson: Anderson, Hall, Hamilton, Johnson, Kroeze, McGrann, McMahon, Moser, Wade, Webb
Meridian: Pinkston, Shephard
Natchez: Stewart
Philadelphia: Taylor
Tupelo: Cook, Price, Striger
Vicksburg: Douat, Wood

MISSOURI

Bonne Terre: Lemon
Boonville: Sanders
Carthage: Williams
Chesterfield: O'Gorman
Chillicothe: Munic. Utils.
Clarence: Oylear
Clayton: St. Louis Co. Health Dept., Sanborn
Columbia: Crane, Luebbers, Murphy, Wolcott
Crystal City: Wheatly
Hannibal: Higgins, Jones, Watson
Harrisonville: Gilkison
Hickman Mills: Gately
Higginsville: Hebbler, Payton
Independence: Bliss, Denkler, Dyer
Jefferson City: Helmreich, Johnson, Kramer
Joplin: Crenshaw, Irey, Jones, Schanze
Kansas City: Allen, Archer, E. W. Bacharach Inc., Baldwin, Barada & Page Inc., Baum, Black, Brown, Bussmer, Dodd, Farmer, Filby, Fitzpatrick, Foreman, Fuller, George, Halden, Haskins, Hatcher, Herrmann, Hersey, Ivy, Joslyn, Kincaid, King, Kirkwood, Lawrence, Learned, Mathews, McArthur, McDonnell, Mitchell, Mullergren, Myers, Oliver, Patterson, Pensinger, L. C. Pensinger & Son, Poston, Ramsey, Reynolds, Robinson, T. D. Samuel Jr., T. D. Samuel III, Scott, Senevey, Senges, Shockley, Souder, Strang, Treanor, Veatch, Wade, W. Dept., Wolfe, Woodson, Wymore
Kirkwood: Theiss
Lamar: Hale
Lexington: Lee
Liberty: Barnes
Marionville: Hamilton
Marshall: Hayob
Neosho: Thain
North Kansas City: Collar, Geary, Palmer
Raytown: Jones
Rolla: Bronson
St. Charles: Oelklaus
St. Joseph: McAndrew
St. Louis: Am. Fdry. & Mfg. Co., Anheuser-Busch Inc., Case, Clark, Cope, Dean, Easterday, Fulton, Graf, Graves, Hamig, Hartung, Hawken, Henning, Holaday, Jens, Jutz, Keller, Lanigan, Leaver, Lischer, Martin, McFarland, McKee, Meyer, Monsanto Chem. Co., Moroney, Patterson, Pritchard, Riley, Rimbach, Ross, Russell, Schworm, Serkes, Seven-Up Co., Skinker, Smith, Wenger, Whitehead, Zollman
Sedalia: Reed
Slater: Howard
Springfield: Carson, Everett, Piner
Trenton: Ralls
University City: Dolson, Houlehin, Weir
Warrensburg: Christopher
Washington: Wilke
Webb City: Newell
Wellsville: Cox

MONTANA

Anaconda: Anaconda Copper Mining Co., Grush
Billings: Anderson, Baker, Beiswanger, Christensen, Chrysler, Dixon, Hageman, Heath, Hurdle, Johnson, Wyatt
Bozeman: Border, City of Bozeman, Cobleigh, Quinnell
Butte: Carroll, Hazen, Piatt, Plummer
Chinook: Brandis
Columbus: Raikofski
Deer Lodge: Gerstacher
Dillon: Patrick, Ward
East Helena: City of East Helena
Ekalaka: Cory
Forsyth: Palmer
Fort Shaw: Hall
Gardiner: Lauer
Glendive: Eyer
Great Falls: City of Great Falls, Henen, Killgreen, Millensifer, Moore, Peterson, Thomas, Voden, Wenzel
Hamilton: Thane
Hardin: Young
Havre: Pearce, W.W.
Helena: Brinck, Foote, Maierle, Mills, Morrison, W. Dept.
Hot Springs: Strange
Kalispell: Johnson
Laurel: Eyer
Lewistown: Schmit
Livingston: Cortese
Miles City: Wiel
Missoula: McCann
Plentywood: Robke
Roundup: Liebetrau
Sidney: Mercer
Superior: Horning
Whitefish: Arnold

NEBRASKA

Alliance: Johnson
Auburn: Hawkins
Beatrice: Case
Blair: Morris
Chadron: Schanafelt
Crete: City of Crete
Fairbury: Bell
Fremont: Wright
Grand Island: Burdick
Hastings: Bd. of Pub. Works
Kearney: Lancaster

Lincoln: Babcock, Bane, City W. & Lt. Dept., Cramer, Dier, Dunmire, Erickson, Filipi, Fisher, Frazier, Hoskins, Kysar, Macklin, Price
Omaha: Barklage, Beard, Bunnell, Byrne, Detweiler, Gurney, Jeffrey, Lasell, McConnell, Omaha Metropolitan Utils. Dist., Refinite Corp., Robeck, Stryker, VanDusen, Young
Schuyler: Schmid
Scottsbluff: Grupe
Sidney: Livingston
Superior: Scherich
Wahoo: Raasch
Wayne: Bressler
West Point: Stewart
York: Malster

NEVADA

Las Vegas: Lowe
Reno: Sierra Pacific Power Co., White
Virginia City: Leonard

NEW HAMPSHIRE

Berlin: Tankard
Concord: Trager
Manchester: Ahlgren, Shaw
Nashua: Pennichuck W.W.

NEW JERSEY

Allendale: W. Dept.
Allenhurst: McCarthy
Arlington: City of Bayonne
Atlantic City: Brunstein, Grossman
Barnegat: Cox
Bay Head: Jost
Belleville: Electro Rust-Proofing Corp. (N.J.), Marks, Tiernan
Birmingham: Nordell
Bloomfield: Coffin, Town of Bloomfield
Bogota: Brinkerhoff, Osthoff
Boonton: Mallalieu, Mara, Talcott
Bound Brook: Brush
Bridgeton: King
Burlington: Hoffer, Nelson, Peirce, Russell, Shinn, Stokes, U.S. Pipe & Fdry. Co., Zelley
Butler: Strassburger
Camden: Abbott, Barr, Bowman, Connor, Lewis, Reinicker, Sheehan, Sleeper, Tyler
Cedar Grove: Black, Plunkett
Chatham: Borough of Chatham
Clayton: Hungerford
Clifton: Connelly, Fitzgerald
Collingswood: Collings, Harris
Cranford: Biddle
Denville: Lee
Dover: W. Comrs.
Dunellen: Mann
East Orange: Bd. of W. Comrs., Brainard, Howe, Klein, Lock Joint Pipe Co., Longley, Roper, Shedden, A. P. Smith Mfg. Co.
Edgewater: Ockershausen
Egg Harbor City: McCann
Elizabeth: Crane, Germann, Lang, McGrath, Newkirk, Radcliffe, Schaefer, Stone
Essex Fells: Bell
Fairlawn: Harley, Knapp
Flemington: Stothoff
Florence: Green
Franklin: Jenkins
Freehold: McGowan, Schiverea
Glen Ridge: W. Dept., Wilson
Glen Rock: Evans, Rinbrand Well Drilling Co. Inc.
Great Notch: Franklin Contracting Co.
Hackensack: Ralph B. Carter Co., Frank, Menzenhauer, Roby, Weir
Haddon Heights: New Jersey W. Co.
Haddonfield: Bur. W. Dept., Ford
Haledon: Kapp, Miller
Harrison: Gallagher, Kitson, Tintle, Worthington Pump & Machinery Corp.
Haskell: Giannetti
Hawthorne: Fairhurst
Highland Park: Ramsey, Smalley
Jersey City: Cloroben Corp., Joseph Dixon Crucible Co., Jewell, McConville, Ohland, Perkins
Kearny: Brokaw, Hauck
Ledgewood: Parkhurst
Linden: Applebaum, Calise, Liquid Conditioning Corp., Sussman
Little Falls: Currens, De Hooge, Seeholzer
Livingston: Burack, W. Dept.
Lodi: De Boise
Long Branch: Herr
Lyndhurst: Muhleisen
Manasquan: Thompson
Manville: Barbehenn, Bell, Brown, Franzoso, Krassy
Maplewood: Faulks, Jones, Taggart
Margate: McMullen
Matawan: Heuser
Medford: Lord
Merchantville: Campbell, South Jersey Assn. of W. Supts.
Milford: Tamer, W. Dept.
Milltown: Senko
Millville: Melvin, Wade
Montclair: Bourgin, Cole, Germond
Montvale: Gray
Moorestown: Ellis, Greenwood
Morristown: Butera, Potts, Taylor
Mount Holly: Mount Holly W. Co.
Mountain View: Cassidy
New Brunswick: Baker, End, Lendall, New Jersey Dept. of Conservation, Rudolfs, Vermeule
New Milford: Cowles, Pallo, Spalding, Tamer
Newark: Banks, Browning, Bushnell, Chamberlin, Clement, Cochran, Coles, Eitel, Ell, Erickson, Faulks, Fawls, Flanders, Garratt, Griffin, Hutton, Kroeller, Leedom, Matte, Merckel, Murray, Orchard, D. S. Plumb Co. Inc., Potter, Quigley, Robbins, Runyon,

Schwartz, Tygert, Wallace & Tiernan Co. Inc., Worthington-Gamon Meter Co.
Newton: Limestone Products Corp. of America
Nutley: W. Dept.
Oakland: Pulis
Oaklyn: Corson
Ocean City: Steelman
Ogdensburg: Chorney
Old Bridge: Trubnick
Orange: Caspar, McNamara
Palmyra: Greco, Heiney
Park Ridge: Smith
Parlin: Duhernal W. System
Passaic: Ryle
Paterson: Belco Indus. Equip. Div., Bentley, Bonyun, Cook, Dalzell, Deighton, Hinchliffe, Jacoby, Moore, Ogden, Pennsylvania Salt Mfg. Co., Purcell, Secker, Spitz, Teece
Paulsboro: Sprigman
Perth Amboy: Carborundum Co., Reager
Phillipsburg: Thomas
Pitman: Bryan
Plainfield: Gavett, Winslow
Pompton Lakes: Campbell, Greco, Wood
Princeton: Clements, Riker
Rahway: Gibbons
Raritan: Ward
Red Bank: Cadman, Hotchkiss, Norcom, White
Ridgewood: Atwell, Carr, Rhinehart, Sharts
Rochelle Park: Belli, Every
Rockaway: W. Dept.
Rutherford: Bastian, Walker
Salem: W. Dept.
Scotch Plains: Homak
Sea Girt: Cornelius
Sea Isle City: Mazurie
Short Hills: Kurtz
Somerville: Craig, Miller, Potter
South Amboy: National Lead Co.
South Orange: Scott
Sparta: Callahan
Summit: Bassett, Coleman, Martin
Teterboro: Purcell
Toms River: Snyder
Totowa Boro: Pulhamus
Trenton: Barksdale, Brooks, Bugbee, Coleman, Critchlow, Croft, Daniels, De Laval Steam Turbine Co., Hartwell, Hellyer, Johnson, Kroschwitz, Neary, W.W.
Upper Montclair: Baker, Ross
Verona: Carmichael
Vineland: W. Dept.
Wanaque: Capen, Gunther, Hoeren, McDonough, Ryan, Wilensky
Waldwick: de Korte
Weehawken: Alfke, Boquist, Cady, Damiano, Fricker, Schlicht, Von Scheidt, Walasyk, Zerman, Zoeller
West Englewood: Brown, Wieghardt
West Orange: Fritz
Westfield: Haskew
Wharton: Bd. of Pub. Works
Whippany: Bendel
Woodbridge: Mundy

NEW MEXICO

Albuquerque: City of Albuquerque, Univ. of New Mexico
Carlsbad: Lamontine, Roberts
Deming: W. Dept.
Hobbs: King
Jal: Cohn
Las Vegas: New Mexico Pub. Service Co.
Lordsburg: W. Dept.
Nogal: Zumwalt
Santa Fe: Eaton, Herkenhoff, Hester, New Mexico Dept. of Pub. Health, New Mexico Pub. Service Com., New Mexico Pub. Service Co., Ruble
Silver City: W. Dept.
Taos: Martinez
Tucumcari: Burt, Byars

NEW YORK

Albany: Asselstine, Austin, Brewster, Chandler, Cox, Dappert, Devendorf, Federick, Gilcreas, Haiss, Heacox, Hoffman, Holmquist, Knoener, McHugh, Natt, O'Brien, Peck, Rihm, Safford, Smith, Suter, Wheeler
Albion: W. Dept.
Alden: Weisbeck
Ashokan: Friedman
Auburn: Sillence, W. Dept.
Avon: R. S. Clark, W. H. Clark
Babylon: Five, Zele
Ballston Spa: W. Dept.
Batavia: W. Dept., Zollner
Bath: Elec. Gas. & W. System
Bay Shore: Colvin, Fenn
Beacon: Abell
Bedford Hills: Hickok
Beechhurst, *see* **New York City**
Bellerose: Hayward
Binghamton: Bur. of W., Carman, Costello, Rickard, Riley
Briarcliff Manor: Village of Briarcliff Manor
Brockport: Smith
Brooklyn, *see* **New York City**
Buffalo: C. K. Bassett, G. B. Bassett, Bates, Brady, Buffalo Meter Co., Buffalo Niagara Elec. Corp., Dewey, Div. of W., Drake, Erie Co. Dept. of Health, Farrell, Fitzgerald, Grotz, Michael Hayman & Co. Inc., Kreinheder, Kurtz, Nussbaumer, O'Donnell, Paulette, Rybolt, Shed, Speyer, Wagner
Caledonia: Fitz-Gibbons, J. W. Jones Co.
Canajoharie: Bullock
Canandaigua: Ellis
Canastota: W. Dept.
Canton: Walker
Catskill: Plank

Cedarhurst: Stearns
Chappaqua: Page
Clarence Center: Friedley
Cherry Valley: Pegg
Corfu: Village of Corfu
Corning: Drake, W. Dept.
Cortland: Ford
Dansville: Kidd
Delmar: Hall
DeWitt: Moore
Dover Plains: Crane
Dunkirk: Bd. of W. Comrs.
East Aurora: Village of East Aurora
East Syracuse: Fulmer
Elizabethtown: Hubbard
Elmhurst: *see* **New York City**
Elmira: Ayers, Connelly, Kennedy Valve Mfg. Co., Nelson, W. Bd.
Endicott: Endicott W.W. Co.
Fayetteville: Lamprecht
Fishers Island: Fishers Island Farms Inc.
Frankfort: Shea
Franklin Square: W. Dist.
Fredonia: Cranston, Heubi
Freeport: Inc. Village of Freeport, Yongen
Fulton: W. Dept.
Garden City: Inc. Village of Garden City
Geneseo: Village of Geneseo
Geneva: Bolton
Glen Cove: Ogden
Glens Falls: Bd. of W. Comrs., Tripp
Gloversville: Vrooman, W.W.
Great Neck: Barton
Greenport: W. Dept.
Hamburg: Fenger, Roberts, Sterns
Hamilton: Albrecht
Hempstead: Inc. Village of Hempstead, Tagco Inc., Uniondale W. Dist., Williamson
Herkimer: Bachelder
Hicksville: Holzmacher, W. Dist.
Highland: Marx
Holland: Holland W. Dist. No. 1
Hollis, *see* **New York City**
Hornell: Gorman, Robinson
Horseheads: Ferguson
Houghton: Gilbert
Hudson: Dept. of Pub. Works, Greenport W. Dist. No. 1
Huntington: Barnes, Kendrick
Huntington Station: Horn
Hurley: Hiller
Ilion: Bd. of W. Comrs.
Irvington: W. Dept.
Ithaca: Carpenter, Georgia, Gifft, Hall
Jackson Heights, *see* **New York City**
Jamaica, *see* **New York City**
Jamestown: Bernhardt, Bd. of Pub. Utils., Johnson
Johnson City: W.W.
Johnstown: Micks
Katonah: Schrewe
Kenmore: Krehbiel, Town of Tonawanda
Keuka Park: Keuka College
Kew Gardens, *see* **New York City**
Kingston: Ulster Co. Dept. of Health, W.W. Dept.
Lancaster: Huber
Larchmont: Village of Larchmont
Le Roy: Lapp Insulator Co., Simmons
Liberty: W.W.
Little Falls: Austin
Little Valley: Underwood
Lockport: Moon
Locust Valley: Stehling
Long Island City, *see* **New York City**
Lowville, Adirondack W.W.
Lynbrook: Dean, Farley, McLaughlin, McLendon, Rowley
Malone: Van Deusen
Mamaroneck: Mascia, Thrasher, Westchester Joint W.W. No. 1
Manhasset: Manhasset-Lakeville W. Dist.
Manlius: Goodfellow
Massapequa: Bornemann
Massena: St. Lawrence River Power Co.
Mechanicville: Sage
Merrick: Blackshaw, Chenery
Middletown: Bull, W. Dept.
Millbrook: Pizie
Mineola: Bowne, Nassau Co. Dept. of Health, Nassau Co. Dept. of Pub. Works
Mohawk: Martin
Monticello: Divine
Montrose: W. Bd.
Mount Morris: W. Dept.
Mount Vernon: Ferry, Heller, Jewel
Munnsville: Ackerman
Neversink: Wood
New Hyde Park: Joseph G. Pollard Co. Inc., Stoddard
New Paltz: Millham
New Rochelle: Cranch, Gooding, New Rochelle W. Co.
New York City: Ackerman, Aeryns, Akers, Albert Pipe Supply Co. Inc., Aldrich, Allen, Ambursen Eng. Corp., Am. City Magazine, Am. Cyanamid Co., Am. Iron & Steel Inst., Am. W.W. Co., A. B. Anderson, G. C. Anderson, Angell, A. Ankener, R. Ankener, Arenander, Armstrong, Arno Baffa, L. A. Baldwin, R. T. Baldwin, Barrett Div., Becker, Beckman, Beohner, Biggs, Bitsko, Blach, Blanchard, Blum, Bock, Bogert, Bonsib, Booth, Bowe, Bowers, Boyd, Braidech, Brashears, Broderick, A. Brown, H. C. Brown, Brush, Bryant, Buck, Bumstead, Burns Cambridge, Carl, Carns, Carson, Case, Central Fdry. Co., Centriline Corp., Chenery, Chevalier, Childs, Citizens W. Supply Co. of Newtown, A. T. Clark, E. J. Clark, Clearwater Eng. Corp., Cleary, Coca-Cola Export Corp., Cole, Conway, Cooke, Copper & Brass Research Assn., Correale, Crane, Culley

Darby, Darco Corp., Dennett, Desmond, Devinney, Diven, Dixon, Donaldson, Dorr Co., Dreyer, Drumm
Eagle-Picher Sales Co., Ebasco Services Inc., Edwards, F. B. Elder, F. X. Elder, Eliassen, Emerson, Eng. News-Record, Enslow
Faber, Farkas, Faye, Fischel, Flentje, Fletcher, Ford, Foster, Foulds, Frazza, Freeman, Frommholz
Gausmann, Gehn, Geuss, Gilwood, Glidden, Granata, Gray, Grieve, Griffin, Grippi
Hardenbergh, Hardman, Hastings, Hazen, Helbig, Heller, Henderson, Hennessy, Hess, Hoag, Hobson, Hochlerner, Hollander, Hopper, Hu, Hydraulic Development Corp.
Indus. Chem. Sales Div., Ingram
Jacobs, Jacobson, Johns-Manville Sales Corp., A. H. Johnson, E. F. Johnson, R. K. Johnson, Jones, Jordan, Judge
Keily, Killam, Kilpert, Klein, Klett Mfg. Co., Knauer, Kreigsheim
Lamb, Lang, Larkin, C. W. Lauman & Co. Inc., Leach, Lead Industries Assn., Leggette, Lewis, Ley, Luce, Ludwig, Lurie
MacDougall, Mac Leod, Mann, Marsh, Mathieson Chem. Corp., McBurnie, McCabe, McCarthy, McCauley, Mechanik, Meleyco, Mitchell, Moggio, Morse Boulger Destructor Co., Munding, Murdoch
National Automatic Sprinkler & Fire Control Assn., National W. Main Cleaning Co., Nebolsine, Nelson, Neptune Meter Co., Nesin, Niagara Alkali Co., Nice, Niederich, Northport W.W. Co., Nuebling
Olsen, Ornsen, Overholt
Palmer, Permutit Co., Phoenix, Pierson, Pincus, M. Pirnie, M. Pirnie Jr., Pitometer Co., Pittsburgh Equitable Meter Div., Pittsburgh Pipe Cleaner Co., Pohl, Preload Corp., Public Works Magazine, Public Works News, Purdy
Queneau, Quilty
Rankin, Redmond, Redwood, Reichman, Revere Copper & Brass Inc., Ribner, Riddick, Ritchie, Rofman, Romer, Rooney, Roznoy, Rutkin, Ryan
L. A. Salomon & Bro., Sanborn, Sanford, Saunders, Saville, Sax, Scharff, Schulhoff, Scott, Seifert, Shapiro, Shaver, Shuldener, Sigworth, Silverstone, Sinclair, Smith, Snow, Snyder, Solvay Sales Div., Stansmore, Stevens, R. S. Stokvis & Sons Inc., Strenge, Sweitzer, Symons
Taub, F. B. Taylor, H. Taylor, H. W. Taylor, Thomson Meter Co., Toth, Traugott, Trowbridge, Turner
Valvco Inc., VanDenburg, Velz, Vincent
Wafer, Wagner, Walker, Wankmuller, Warde, Warren Fdry. & Pipe Corp., W.W. Eng., W.W. Service Co., Welker, Werner, Wheelin, Whitley, Whitlock, Wiggin, L. Williams, S. N. Williams, Wolff
Zadigan

Newark: W.W.
Niagara Falls: Aston, Burnett, Dignan, Hooker Electrochem. Co., MacMahon, Piper
Niagara University: Egloff
North Creek: W. Dist.
North Tarrytown: Kassay
North Tonawanda: Grant
Nyack: Perry
Ogdensburg: Lord
Olean: W. Dept.
Oneida: Clark, Sherrill-Kenwood W. Dist.
Oneonta: Rock, Taylor
Ossining: Bd. of W. Comrs.
Oswego: Herron, McCaffrey, W. Dept.
Owego: W.W.
Palmyra: German
Patchogue: Morris
Peekskill: Foster, Irish, Standard Brands Inc.
Penn Yan: Welker
Plattsburg: City of Plattsburg
Pleasantville: Day, Smith
Port Chester: Homelite Corp., Kaufman
Port Ewen: W. Dist.
Port Jefferson: Adam
Port Jervis: W. Dept., Waters
Poughkeepsie: Bd. of Pub. Works, Cole, Salvato
Putnam Valley: Edelman
Rensselaer: Claflin, Fraser
Rhinebeck: Myers
Ripley: Clark
Riverhead: Benjamin, Niles
Rochester: Bailey, Cobb, Crosier, Ewig, Gorden, Gray, Town of Greece W. Dept., Hall, Knapp, Lewis, Little, McCormack, Moore, Mussi, Nevius, New York State Conservation Dept., Russell, Shnidman, L. B. Smith, M. Smith, Squire, Wagner
Rockaway Park, *see* **New York City**
Rockville Centre: Patten
Rome: Bur. of W.
Roslyn Heights: Hubbard
St. James: W. Dist.
St. Johnsville: Village of St. Johnsville
Salamanca: Weagraff
Saranac Lake: Stalbird
Scarsdale: Conlan, Creamer, Newsom, Patton, Russo, Sawyer
Schenectady: City of Schenectady, Taylor, Town of Niskayuna

Sea Cliff: Ketcham
Seneca Falls: W. Dept.
Sherburne: Champ
Silver Creek: W.W.
Skaneatales: Horsington
Sodus Point: Comstock
Spring Valley: Northrop, Northrop & Co. Inc.
Suffern: deWaard
Sylvan Beach: Freiberger
Syracuse: Barrows, Dept. of Eng., Feiler, Griffeth, Kelly, Korves, Mitchell, O'Brien, Perkins, Probst, Stearns, Tanner, Wagenhals
Tahawus: National Lead Co.
Tarrytown: Greenburgh W. Dept., Losee, Martin
Thornwood: Jiannott
Tonawanda: Schulte
Troy: Bischoff, Booth, Bur. of W., Caird, Clifton, End, Holroyd, Keis, Keis & Holroyd, Kilcawley, Ludlow Valve Mfg. Co., Rensselaer Valve Co., Ross Valve Mfg. Co.
Tupper Lake: Munic. W. System
Utica: Griswold, Haberer, Hopkins, Miles
Valhalla: De Nault, Havill, Kelley
Vestal: Murphy, Ware
Walton: Walton W. Co.
Wantagh: Long Island State Park Com.
Wappingers Falls: Dept. of W. Supply
Waterford: Eddy Valve Co., Weber, Yaxley
Watertown: Field, Tyldesley
Watervliet: Normile
Watkins Glen: Haughey
Waverly: Marshall
Webster: Averill, Hawley, O'Dell, Pinkney
Wellsville: Rowe
West Brighton, *see* **New York City**
Westbury: W. Dist.
Westfield: Howson
Westhampton Beach: Fox
White Plains: Coleman, Dept. of Pub. Works, Fleet, Friese, Harding, Henry, Scholz, Scott, Velzy, Westchester Co. Dept. of Health, Wood
Williston Park: Inc. Village of Williston Park
Wolcott: Village of Wolcott
Yonkers: Carroll, Dept. of Pub. Health

NORTH CAROLINA

Albemarle: Fesperman, Moore
Asheboro: Adkins, Moore, Yow
Asheville: Bearden, City of Asheville, Colburn, Lieberman, Mannel, Rawls
Badin: Carolina Aluminum Co.
Banner Elk: Lafferty
Belmont: Hovis, Richey
Black Mountain: Town of Black Mountain
Butner: Alexander
Camp Lejeune: Justice, Kellam
Canton: Seaman
Carolina Beach: Town of Carolina Beach
Chapel Hill: Baity, Chanlett, Gidley, Rose, Univ. of North Carolina
Charlotte: Berdell, Bradley, Davis, Dickson, Doane, Dunham, Franklin, Greenlee, Grinnell Co. Inc., Grosboll, Harding, Henderlite, T. C. Heyward, T. C. Heyward Jr., Jacockes, LeClerc, Leggett, Parks, Phillips, Potter, Pump & Ltg. Co. Inc., Purser, Rawlins, Smith, Stillwell, J. P. Vest, W. E. Vest, Wooten
Concord: Bd. of Lt. & W. Comrs., Fisher
Cramerton: Young
Creedmore: Town of Creedmore
Denton: Lomax
Durham: Brown, Davis, Earp, Hall, Malone, Moses, Piatt, Redding, Snow, Umberger, W. & Sewer Dept.
Elizabeth City: Luther, Parker
Enka: Am. Enka Corp.
Fayetteville: Weathers
Fort Bragg: Mutzberg
Gastonia: City of Gastonia, McLean, Setzer
Goldsboro: Harris
Granite Falls: Robinson
Greensboro: Burlington Mills Corp., Fowler, Gregory, Henderson, Proximity Mfg. Co., W. Dept., Watson
Greenville: Swartz
Hamlet: W. R. Bonsal Co. Inc., Stowe
Henderson: W.W.
Hendersonville: Stokes
Hertford: Ainsley
Hickory: City of Hickory
High Point: Carpenter, Freeman, Perkins, Swindell
Hillsboro: W. Dept.
Laurinburg: Bailey
Leaksville: Jenkins
Lenoir: Huffstetler
Lexington: Beck
Lincolnton: Randall
Lumberton: McNeill
Monroe: City of Monroe
Morganton: Cordle
Mount Airy: Town of Mount Airy
Mount Holly: Teeter
Old Fort: Clearwater Finishing Co.
Pinehurst: Pinehurst Inc.
Pisgah Forest: Ecusta Paper Corp.
Pomona: Pomona Terra-Cotta Co.
Raeford: McMillen
Raleigh: Blaisdell, City of Raleigh, Crocker, Eckenfelder, Franklin, Hales, Hastings, Hubbard, Jarrett, Kellogg, Kozma, North Carolina Dept. of Conservation & Development, Olsen, Peirson, Rice
Roanoke Rapids: Lancaster
Robbins: W. Dept.
Rockingham: Tull
Rocky Mount: Brannock

Salisbury: English, Holden, Lesslie
Selma: Chamblee
Shelby: Toms
Siler City: Town of Siler City
Southern Pines: Hale, Mills, Van Camp
Spray: Smith
Spruce Pine: Hobson
Statesville: W. Dept.
Swannanoa: Shore
Tarboro: Bryan, Martin
Thomasville: Berry, Witty
Valdese: W.W.
Wake Forest: Town of Wake Forest
Warrenton: Skillman
Washington: Elec. & W. Dept., Frivance
Weldon: Town of Weldon W. Dept.
Williamston: Manning
Wilmington: Coleman, Lassiter, Maffitt, W. & Sewerage Dept.
Winston-Salem: Ebert

NORTH DAKOTA

Bismarck: Booth, Groff, Piper, Svore, Thompson, Van Heuvelen, Yegen
Bowman: Larsen
Cooperstown: Lockner
Dickinson: Johnson, Veigel
Fargo: Ayliffe, Bealmer, Eide, Johnson, Lobb, Murphy, Tarbell
Grand Forks: Burdick, Hulteng, Jenson
Jamestown: Dwelle, Stephenson
Mandan: Arthur, Toman
Mayville City: Endrud
Minot: Bavone, Svenkeson
Williston: Hays

OHIO

Ada: Nelson, Ward
Akron: Barstow, Bausher, Davis, Elting, Firestone Tire & Rubber Co., Goodman, Hardware & Supply Co., Hoffman, LaDue, Paul, Rhoades, Thomas, Wagoner
Alliance: Babcock & Wilcox Co., Heffelfinger, Stanley
Apco: Yocum
Ashland: Coleman, Decker
Ashley: Piper
Avon Lake: W. Dept.
Baltimore: Orr
Barberton: Claggette, Pettit, Pittsburgh Plate Glass Co.
Barnesville: Smith
Batavia: Stouder
Beach City: Younkin
Bellevue: Wagar
Bowling Green: Case
Bryan: Harrington, Wertz
Bucyrus: Lower, Riley
Canfield: Miller
Canton: Arnold, May, Ransom, Schlott, Stewart
Carey: McGill
Carrollton: Guy
Cedarville: Ewry
Chagrin Falls: Bayless
Chillicothe: Hibbs, Mead Corp.
Cincinnati: Becker, Bourbon Copper & Brass Works Co., Bready, Chenal, Davidson, Dougherty, Duhme, Eberling, Egan, Enright, Evans, Farr, Fooks, Gedge, Grier, Haney, Hanson, Hoffman, Irwin, Keinath, Laurence, LeBosquet, LeFeber, Mace, MacKenzie, McChesney, Nutting, H. C. Nutting Co., Rimmer, Sahnd, Schoeppel, Stevenson, Straub, Streeter, Tech. Assn. Pulp & Paper Industry, Thoman, Walton, Weber
Circleville: Leist
Cleveland: Antweiler, Avery, G. E. Barnes, J. E. Barnes, Blake, Diamond Alkali Co., Dodson, Ellms, Farnan Brass Works Co., Fischer, Hagberg, Hamlin, Fred W. Hanks Co., Harlamert, Havens, Hill Hubbel & Co. Div., Horlacher, Jones, Kroone, Levy, Lewis, MacDowell, Marsh, Marshall, McMahon, Moseley, Novasel, Palocsay, Paulette, Pease, Radzow, Republic Steel Corp., Rush, Rusta Restor Div., Sangdahl, Schramm, Simmermacher, L. P. Smith, R. B. Smith, Sutton, Tolles, Welday, Young
Cleveland Heights: Davis, Siebold
Columbus: Bare, Bass, Blaik, Bonham, Bull, Burgess, Carter, Cornell, Crane, Dye, Ey, Fuller, Gard, Hall, Hatch, Heck, Herndon, Hill, C. B. Hoover, C. P. Hover, Hoyt, Jeffrey Mfg. Co., Johnson, Jones, Kaiser, Kazmann, Knox, Lamar, Lathrop, Loveless, Martin, McCollister, McIntyre, Nicklis, Ohio Inspection Bur., Ohio W. Resources Bd., Prior, Rarey, Reimund, Riehl, Schaefer, Shenker, Solleder, Stewart, Stilson, Walker, Walters, Waring, Water Leak Detector Co., Will
Conneaut: Kantola
Dayton: Baker, Eiffert, Kenny, Kochendorfer, Kopf, Morehouse, National Cash Register Co., Parrish, Price Bros. Co., Reemelin, Tatlock
Defiance: Campion, Moses
Delaware: Irwin, Robinson
East Liverpool: Robinson
East Massilon: Ulrich
Eaton: Black
Elmore: Moellmann
Elyria: Pratt
Fairport Harbor: Thomas
Findlay: Foltz, Gohlke
Fostoria: Lord
Fremont: Schneider
Garrettsville: Angel
Geneva: Rich
Genoa: Miller
Girard: Reep
Greenville: Pierron
Hamilton: Augenstein, Peurifoy
Huron: Klein

Ironton: Edwards
Ivorydale: Schulze
Jackson: Brunton
Jefferson: Mowery
Kent: Gettrust, Hotstettler, Muncy
Killbuck: Kuhns
Kinsman: Glauber Brass Mfg. Co.
Lancaster: Graf
Leroy: Decker
Lima: Bresler, Smith, Stimmel
Lodi: Eakin
Lorain: Agnew, Campbell, Emerick, Humason, Jones
Loudonville: Pennell
Lowellville: Cutsler
Mansfield: Bair, Be Vier, Griffin, Kalbfleisch, Mansfield W.W. Brass Co., Saltzgaber
Mantua: Peirce
Marietta: Eggleston, Spindler
Marion: Browne, Cumitz, Porter, Seidel, Whysall, Wittmer
Martins Ferry: Kelly
Marysville: Banks, Grotte
Maumee: Easterwood
McComb: Byal
Medina: Messenger, Wilder
Mentor: Babcock
Middleport: Stephenson
Middletown: Armco Drainage & Metal Products Inc., Barnard, Beatty
Milford: D. R. Erion, R. Erion
Millersburg: Detreich
Milton: Farver
Montpelier: Hoover, Porter
Napoleon: Adams, Kelley
Nelsonville: Wolfe
Newark: Price
Newcomerstown: Albright, Coulter
New Philadelphia: Kerr
Norwalk: Kuhn
Norwood: Reed
Oak Harbor: Zorn
Orrville: Specht
Oxford: Roth
Painesville: Allison, Brittain, Cook, Fitch, Frankhouser, Toyne
Perrysburg: Ames
Piqua: Hickey, Louis
Plymouth: Rooks
Portsmouth: Growdon
Rittman: Bd. of Pub. Affairs, Connor
Rossford: Libbey-Owens-Ford Glass Co.
St. Clairsville: Hardesty
St. Marys: Hageman, Shoup
Sandusky: Schoepfle
Shelby: Swanger
Springfield: Reinheimer
Steubenville: Macedonia, Trainer
Struthers: Carty, Evans, Sharpe
Sunbury: Owen
Tiffin: Donaldson
Toledo: Clark, Elec. Chem. Co., Finkbeiner, Giesey, Hall, Henderson, Henry, Hill, H. P. Jones, W. C. Jones, Kunkle, Niles, Owens-Corning Fibreglas Corp., Reed, Schoonmaker, Singer, B. H. Swab, R. K. Swab, Van Dorp, Williams
Toronto: Thompson
Troy: Heaton, Ruck
Upper Sandusky: Smith
Van Wert: Simon
Vermillion: Eisenhauer
Wadsworth: Driskell
Walbridge: Johnson
Wapakoneta: Elliot
Warren: Hapgood, Marchand, O'Connor, Price
Wellington: Farnsworth, Irvin
Wellsville: Tarr
Westerville: Wenger
Weston: Raubenolt
Willoughby: Angelotti, Bidlack, Thomas
Wilmington: Druley
Wooster: Laubach, Martin, Newhouse
Worthington: Sheets, Taladay
Xenia: Ackerman
Youngstown: Fawcett, Hengen, Robinson, Santagata, Van Arnum, Weiner
Zanesville: Ross

OKLAHOMA

Ada: Toler
Alva: Warren
Ardmore: Love
Bartlesville: Huntress
Beggs: Steinman
Blackwell: Cranford
Claremore: Sprangel
Durant: Clack
El Reno: Hromada
Enid: Harrison
Foss: Williams
Frederick: Zumwalt
Guthrie: Barry, Lowe
Holdenville: Bennett
Hominy: Lytle
Kingfisher: Buswell
McAlester: Burns, Collins
Miami: Freehauf
Muskogee: Smith
Norman: De Voe, Matlock, Ophel
Okemah: Harding
Oklahoma City: Benham, Bretz, Clarke, Connelly, Cunningham, Darcey, Dose, Flemming, Guernsey, Herrmann, Lima, Malone, Meigs, Morris, Nash, Pollard, Robertson, Schouten, Settle, Sherman Machine & Iron Works, Smouse, Snider, Taylor
Ozark: Collins
Pawhuska: Neelly
Shawnee: Barngraver
Snyder: Parks
Stillwater: Burbank, Graves, Parrish, Smith, Stapley
Tulsa: Cecil, Duncan, Gilbert, Gilles, Holway, McMurry, Moutrey, Shelton, W. Dept., Wheeler
Walters: Carver Stimpson Pipe Clng. Co.

Weleetka: Daniels
Wewoka: Seran
Woodward: Leonard
Wynnewood: Shearon

OREGON

Ashland: W. Dept.
Astoria: City of Astoria
Baker: Dept. of W. Fire & Sanitation
Beaverton: Smithson
Bend: Drost
Clackamas: Farr
Coos Bay: Chiene
Corvallis: Gallagher, Goodnight, Kachelhoffer, Merryfield, Merryman, Rice
Dallas: McCleary
Eugene: Cloyes, Ray, Roberts, Vaaler, W. Bd., Willian
Forest Grove: Weber
Grants Pass: Signor
Gresham: Green
Hillsboro: Utils. Com.
Hood River: Reese
Maplewood: Hoffman
McMinnville: W. & Lt. Dept., Wilmot
Medford: California-Oregon Power Co., W. Com., Watkins
Milton City: Vergeer
Milwaukie: Bevington
Myrtle Point: Gearhart
Ontario: Gearhart, Taylor
Oswego: Duis
Pendleton: King, Vaughan
Portland: Anderson, Benedict, Boyle, Brinkley, Bur. of W.W., Charlton, Corey, Cote, Cunningham, Davis, Everts, Fague, Gearhart, Green, Grubb, Home W. Dist., Hudrlik, Judge, Judson, Jullum, Kipp, Koon, Kummel, Marshall, Milliken, Morrow, Olsen, Piper, Proseus, Rice, Richardson, Romig, Rossio, Scott, Spies, Strasser, E. W. Thompson, H. L. Thompson, Turner, Wagner, Warner, Willard, Willis, Zeidlhack
Redmond: Berning
Salem: Schwarz, Van Pelt, W. Dept.
Silverton: Borland
Tillamook: Berkey
West Linn: Volpp
Woodburn: Fry

PENNSYLVANIA

Aliquippa: Grimshaw
Allentown: Bur. of W., Donald, Gillespie, Krum, McNally, Schnabel
Altoona: Gwin
Ambler: Corson, Keasbey & Mattison Co.
Ambridge: W.W. Management Div.
Apollo: Stuart
Beaver Falls: Chandley, Goehring
Berlin: Berlin W. Co.
Berwick: Multiplex Mfg. Co.
Bethlehem: City of Bethlehem, Bethlehem Steel Co., McPherson, Payrow
Birdsboro: Birdsboro W. Co.
Blairsville: Price
Boiling Springs: Ruhl
Boothwyn: Taylor
Brackenridge: Affrica
Braddock: Dillon
Bradford: Boncher, Dresser Mfg. Div., Ellenberger, Hicks, South Penn Oil Co., Stewart
Bristol: Roberts
Bryn Mawr: Davis, Myers, Philadelphia Suburban W. Co., Shull
Buena Vista: Brennan, Geruschat
Burgettstown: Columbia
Butler: Leary
Cambridge Springs: Devore
Camp Hill: Dunlap
Carbondale: McMullen
Carlisle: Gulden
Chambersburg: Mowrey
Cherry Tree: Cameron
Chester: Armstrong
Claysville: Paget
Clearfield: Nevling
Columbia: Kain
Coraopolis: Harriger
Danville: Deitrick
Darby: Roberts, Roberts Filter Mfg. Co.
Downington: Wagner
DuBois: Bur. of W., Warren
Easton: Fulmer, Johnson
East Pittsburgh: Westinghouse Elec. Corp.
Elizabeth: Rooney
Erie: Buzzard, Hammermill Paper Co., Hays Mfg. Co., Johnson, LeJeal, Palmer, Papesch, Snyder, Turner, Ziegler
Folson: Gilman
Ford City: Wintgens
Fredericktown: Johnston
Glen Riddle: Sunroc Refrigeration Co.
Glenside: Mebus
Greensburg: Corle, Kremer, Morgan
Greenville: Masters
Grove City: Breckenridge
Hanover: Masemer
Harrisburg: Berry, Daniels, Gannett, I. M. Glace, I. M. Glace Jr., Horn, Matter, Miller, Moses, Pepperman, Scheffer, Young, Zack
Hatboro: Craven
Hershey: Herr
Honesdale: Williams
Huntingdon: Smucker
Jersey Shore: Jones
Johnstown: Byers, Kunkle, Ogborn
Kane: Newton
Kittanning: Bowser
Lancaster: Abraham, Brock, Duckworth, Goodell, Shaw
Langhorne: Strockbine
Lansdale: Munic. Authority
Latrobe: Wedemeyer
Lebanon: Bechtold, Louser
Lemoyne: Horner, Patterson, Rigling

Lewistown: Am. Viscose Corp.
McDonald: Lawrence
McKeesport: Opalco Lab., Trax
Meadville: Durr, Ellsworth
Mechanicsburg: King
Media: Borough of Media
Mertztown: Atlas Mineral Products Co., Wirtz
Milton: Dowdell
Minersville: Munic. Authority of Borough of
Monongahela City: Nutt
Mount Union: Diven
Natrona: Jack, Knight
Nazareth: Flory
New Castle: Johnson
New Kensington: Griffiths
Newton Square: Shiddell
North East: Hutchinson
Northampton: Brader, De Groot, Fogelman
Oil City: Bur. of W.
Philadelphia: Acchione, Adams, Allen, Am. W. Softener Co., Bean, Beltz, J. D. Betz, L. D. Betz, Bird-Archer Co., J. Boardman, W. H. Boardman, Borden, Borst, W. A. Briggs Bitumen Co., Cherry, Codell, Coltart, Corin, Crawford, Daugherty, Day & Zimmerman Inc., Deckman, Dobkiewicz, Elias, Flynn, Friel, Gilbert, Glueck, Greer, Gregg Co. Inc., Gumaer, Haas, Halloran, Hardin, Harmstad, Hart, Haydock, Haywood, Hicks, Hubley, Jones, Joos, Kerr, Keys, Lawrence, Leadite Co. Inc., Leaf, MacIntosh, Maguire, Malot, McHugh, McKay, Meehan, Merrill, Moerk, Morris, Mowry, Pardoe, Priester, R-S Products Corp., Read, Ringer, Roetman, Schaut, Sheen, Siems, Simplex Valve & Meter Co., Taylor, Thompson, Turner, von Starck, Waters, Welch, Welsbach Corp., Welsford, Weston, Wood, R. D. Wood Co.
Philipsburg: Rumberger
Pittsburgh: Andrews, Bankson, Baton, Beckwith, Bowler, Boyles, Bryan, A. M. Byers Co., Calgon Inc., Campbell, Chase, Chester, C. H. Davis, D. E. Davis, Donnan, Dotterweich, Drake, Durner, Farbacher, Finley, Forsyth, Fox, Giesey, Gleeson, Golden-Anderson Valve Specialty Co., Gray, Harschbarger, Hauck, Hendrickson, Hoak, Hodge, Jacobs, Johnson, Kennon, Kerr, Kleber, Kneeland, Koppers Co. Inc., Laboon, Leopold, Mansfield, Mavis, Morrow, Murdoch, National Tube Co., Ohio Salt Co., Pace, Pitt Constr. Co., Pittsburgh-Des Moines Steel Co., Redington, C. W. Rice, J. M. Rice, O. Rice, W. F. Rockwell, W. F. Rockwell Jr., Rockwell Mfg. Co., Sauereisen, Scheinert, Swope, Turner, Watts, Weidlein
Pottstown: Sears
Pottsville: Clayton, Munic. Authority of Twp. of Blythe
Prospect Park: Short
Punxsutawney: Naylor
Reading: Bur. of W., Chubb, Duncan, Heine, Merkel, O'Reilly, Simpson, Sperry
Rochester: Baker
Rockwood: Stewart
Sayre: Sayre W. Co.
Schuylkill Haven: Edling
Scranton: Scranton-Spring Brook W. Service Co., Taylor, Vicker, Wilbur
Selinsgrove: Eyer
Sewickley: Comrs. of W.W.
Shamokin: D. E. McWilliams, J. S. McWilliams
Sharon: Hennings, McBride, Shenango Valley W. Co.
Smethport: Oviatt
Somerset: Pile
Springdale: Baker
Springfield: Glover
State College: Kountz, Stiemke, Whisler
Tyrone: Hassler, Laughlin
Verona: Haden, Oakmont W. Authority
Washington: Braman, Buchanan, Earnhardt
Waynesboro: Shank
West Newton: Fergus
West Reading: Rickenbach
Wilkes-Barre: Bush, Foster
Wilkinsburg: Adams
Williamsport: Barrick, Darling Valve & Mfg. Co., Keliher
Wynnewood: Freeburn
York: John, Kable, S. Morgan Smith Co., Whisler

RHODE ISLAND

Bristol: Strandling
Providence: Builders-Providence Inc., Deutsch, Hartley, Leveque, Omega Machine Co., Proportioneers Inc., Richardson, Rogers, Shea, Synan, W. Supply Bd.
Rumford: Dubeau, Turner
Woonsocket: W. Dept.

SOUTH CAROLINA

Aiken: Muckenfuss
Anderson: Patterson
Bennettsville: Parks
Camden: Hardin
Charleston: Bettis, Comrs. of Pub. Works, McDowell, Parker Lab.
Cheraw: Thomas, Tillman
Chesnee: Bowen
Clemson: McCall, Watson
Columbia: Barber, Frick, Kolb, Linton, Philson, Stephens, Tomlinson, White
Easley: Rogers
Fort Mill: Lesslie
Gaffney: Gaffney

Greenville: Adams, Hawkins, Langford, Murray, Whaley
Greenwood: Chapman
Greer: Lanford
Johnston: Quattlebaum
Lancaster: Lasley
Lyman: Bright
Newberry: Schumpert, Wise
Orangeburg: Johnstone, Pearson
Rock Hill: Kennedy
Saluda: Setzler
Seneca: Hunt
Spartanburg: Ivey, Simms, White
Summerville: Moorer
Sumter: Ellis, Randle
Taylors: Broadnax
Union: Wood
Ware Shoals: Riegel Textile Corp.
Winnsboro: Meng

SOUTH DAKOTA

Aberdeen: Pierce, Wells
Chamberlain: Campbell
Flandreau: Campbell
Huron: Johnson
Mitchell: W. Dept.
Pierre: Mathews, Nangle, Stapf, Towne
Rapid City: Jacobson, Sorbel, Staven
Sioux Falls: Benson, Bragstad, Hanson, McWayne, Rees, Spieker, W. Dept.
Sturgis: Davenport
Vermillion: W. Dept.
Watertown: Reed

TENNESSEE

Alcoa: Bristol
Brownsville: Davis
Camden: Wyatt
Chattanooga: Boriss, Bork, Clark, Kneale, Morrison, Porzelius, Schmidt, Swearingen
Clarksville: Cunningham
Cleveland: Gilliland
Columbia: Williamson
Cookeville: Collier
Dyersburg: Blakeman
Elizabeth: North Am. Rayon Corp.
Erwin: Reeves
Fountain City: Brickey
Greeneville: McAmis
Jackson: Frye
Kingsport: Hale, Key, Tennessee Eastman Corp., West
Knoxville: Bagwell, Bolieau, Clouser, Evans, Fleming, Kavanagh, Kittrell, McMillan, A. R. Murphy, A. R. Murphy Jr., Quinn, Utils. Bd., Vaughan
Lebanon: Martin
Madison: Suburban Util. Dist. of Davidson Co.
Martin: Biggs
Memphis: Hoshall, King, Layne & Bowler Inc., Lt. Gas & W. Div., Ragsdale, Seay, Tuggle
Murfreesboro: Lovell
Nashville: A. E. Clark, J. R. Clark, Dennis, Farrell, Finney, Fry, Holman, Johnson, Lawrence, F. J. Lewis, W. H. Lewis, Parker, H. C. Saindon, P. C. Saindon
New Tazewell: Wolfenbarger
Newport: Gray
Norris: Carpenter
Oak Ridge: Fletcher, Jones, Morton, Sanderson, Thomas, Zimmerman
Savannah: Walker
Sewanee: Beyer
Signal Mount: Guthrie
Trenton: Powell
Union City: Jernigan, Russell

TEXAS

Abilene: Grimes, McDaniel
Alamo: McCulley
Alvin: Wood
Amarillo: Aid, Hatfield, Lilly, Mapes, Moss, Roberts, Shirley
Angleton: Brewer, Dunbar
Athens: Baker
Austin: Billings, Bland, Broadhurst, Cosens, Cunningham, Cypert, Davis, Ehlers, Ewing, George, League of Texas Municipalities, Lower Colorado River Authority, Montgomery, Schmidt, Stephens, Stevens, Thompson, Turner, Ullrich, Wagner
Ballinger: Northington
Bangs: McKnight
Bastrop: Burks
Baytown: Eddins, McClintock
Beaumont: Bradshaw, Newnam, Vieno
Beeville: Humber, W.W. & Sewer Dept.
Bellville: W. Dept.
Big Spring: Killingsworth
Bishop: Forbes
Bonham: W. Dept.
Borger: Hofer, Huffhines, Johnson, Meredith, Sells
Breckenridge: Powers
Brownfield: Hutson, Jones, Jordan
Brownwood: Brown Co. W. Control & Improvement Dist. No. 1, Perryman, Williams
Cameron: Community Pub. Service Co.
Canadian: Miller, Reagan
Carizzo Springs: Cathodic Rust Proofing Co.
Carthage: Horner
Channing: Arbuckle
College Station: Bandy, Baty, Miles, Riddle
Corpus Christi: Allison, City of Corpus Christi, Crecelius, Cunningham, Dietz, Nau, Noyes
Corsicana: Gaillard
Dallas: Adams, Allen, Amis, Bacon, Billings, Brenneke, Bullock, Burnham, Collins, Dixon, Edwards, Forrest, Fowler, Gifford-Hill-Am. Inc., Golden, Hanlon, Henley, Hoefle, Hughes, Hunt, Hunter,

Jackson, Krell, Livingston, Lundy, Morey, Myers, Pebworth, Powell, Puckhaber, Rosenthal, Santry, E. S. Smith, J. F. Smith, Sohle, Southern Alkali Corp., Taylor, Texas & Pacific Ry. Co., Viking Supply Co., W. Tank Service Co., Westmoreland, J. B. Winder, N. G. Winder, Yost
Denton: W. Lt. & Sewer Dept.
Dumas: McKown
Eagle Lake: Whiddon
Edinburg: City of Edinburg
El Campo: W. Dept.
El Paso: Christenson, City-Co. Health Dept., Classen, Dept. of W. & Sewerage, Poston, Street, Thompson, Umbenhauser
Floresville: Wiseman
Fort Worth: Bellows, Bock, Community Pub. Service Co., Fox, Freese, Mahlie, Nichols, Peterson, Porter, D. W. Robinson, J. L. Robinson, W. M. Robinson, Stephens, Texas W. Co., Trinity Valley Iron & Steel Co., Well Machinery & Supply Co.
Freeport: Axelrad, Dow Chem. Co.
Fritch: Hammerschmidt
Gainesville: Wilson
Galveston: Connell, Thornton, W.W. & Sewerage Dept.
Garland: Van Gelder
Georgetown: City of Georgetown
Gladewater: Parker
Gonzales: City Utils.
Goose Creek: Satterwhite
Graham: Neill
Greenville: Mitchell
Groves: Ponder
Gunter: Cunningham
Harlingen: Runnion
Haskell: W. Dept.
Hearne: Beaumont
Hebbronville: Hebbronville Utils. Inc.
Houston: Aldrich, Ayres, Bakke, Black, Brendlen, Calhoun, City of West University Place, Clark, Collins, Cons. Chem. Industries Inc., Dannenbaum, Franklin, Friedrichs, Fugate, Garratt, Garrett, Goodyear Synthetic Rubber Corp., Grant, Guest, Hagood, Hamilton, Harvill, Hatch, Hodge, Hofmann, Hood, Hoyt, Jensen, Lehde, Maintenance Eng. Corp., Martin, McCormack, Montgomery, Morgan, Munic. Supply Co., National Rust-Proofing Co., Posey, Riley, Rose, Staley, Stitt, Teague, Teller, Trow, Turner, Utils. Dept., Van Zandt, Wall, Waring, Young
Huntsville: Sillers
Jacksboro: Tate
Jacksonville: City of Jacksonville
Kerrville: City of Kerrville, Weiss
Kilgore: Bell
Killeen: Adams
Lake Jackson: Lee
Lamesa: Sealy
Lampasas: Nixon
La Grange: La Grange Utils.
La Porte: Edmundson
Laredo: Howell, W.W. System
Llano: Wallis
Longview: Crocker
Lubbock: Breedlove, Cooper, McCullough, Panhandle Constr. Co., Roberts, Smith, Stanley
Lufkin: Carpenter, Porter
Luling: City of Luling
Marshall: Archbell, Schonhardt, Stirckland
Matador: Stanfield
McAllen: Brown, Hamlin, Pub. Utils.
McCamey: Stutts
Memphis: Community Pub. Service Co.
Mexia: City of Mexia
Midland: Cole, Nunn
Mineral Wells: City W.W.
Nederland: Wilkins
Newgulf: Texas Gulf Sulphur Co. Inc.
Newton: Kennedy
Odessa: Wilson
Olney: Corley
Orange: Lester
Ozona: Cooper
Pampa: W. & Sewer Dept.
Paris: Hicks
Phillips: Rider, Wright
Plainview: W. Dept.
Plano: H. D. Steenson, S. M. Steenson
Port Arthur: Swanson, Truett
Port Neches: Goodrich, Hennon, Jefferson Chem. Co. Inc., Neches Butane Products Co., Roark
Quitaque: Middleton
Raymondville: City of Raymondville, Parker, Tomme
Refugio: Williams
Rosenberg: Russell
Rule: Kevil
San Angelo: Cuzick
San Antonio: Bartlett, Castella, City W. Bd., Harding, Helland, Maier, San Antonio Machine & Supply Co., Thompson, Truehart & Caldwell, Wedeman
San Benito: Harvill, Oliver
Seguin: City of Seguin
Sherman: Russell
Stephenville: Feagan
Sundown: Kerby
Sunray: Burton
Sweetwater: Duckett
Taylor: Brazil
Temple: H. C. Gresham, R. O. Gresham, Trostle
Texas City: Community Pub. Service Co., Pan Am. Refining Corp., Pettyjohn
Three Rivers: Boyd
Tyler: Asbury, Lloyd
Uvalde: Evans
Victoria: Mayer, W. Dept.
Waco: Abrams, Davis, Gooch, Rohan

Weimar: City of Weimar
Wellington: City of Wellington
Weslaco: Sigler, Clark & Winston
West Columbia: W. & Sewer Depts.
Wichita Falls: Dickson, Gates, Gorham, Ward
Wink: White
Woodville: Sims
Ysleta: Trice

UTAH

Holladay: Stutz
Ogden: Rackham, Richards
Provo: Newell, Pacific States Coast Cast Iron Pipe Co.
Salt Lake City: Adams, Arnold, Beers, Carter, Howard, Painter, Salt Lake City Corp., Simpson, State Dept. of Health, Woolley

VERMONT

Bennington: Barber
Burlington: Moat, Moore
Manchester Center: Marsden

VIRGINIA

Alexandria: Lamond, Lowe
Altavista: Dooley
Annandale: McWhorter
Arlington: Beard, Bingham & Taylor Corp., Ford, Gardner, Jefferies, Lundberg, Owens, Paulus, Sitler
Bedford: Town of Bedford
Big Stone Gap: Moore
Blacksburg: McGauhey, Rives
Blackstone: Maben
Bristol: City of Bristol
Buena Vista: Johnston
Camp Pickett: Behring
Cape Charles: Munic. Corp.
Charlottesville: Boes, City of Charlottesville, Green, Mussey, Wallace
Chatham: Sours
Christiansburg: Dunlap
Clarksville: Chandler
Colonial Beach: Vass
Covington: Smith, Swartz, Troubs
Culpeper: Town of Culpeper
Danville: Dan River Mills Inc., Johnson, McClung
Denbigh: Chamblee, Pharr
Fairfax: Corbalis
Falls Church: McCauley
Fort Belvoir: Gainey, Karstens, Keatley, Schmitt, Turner
Franklin: Crawford, Knight, Wilkinson
Fredericksburg: Williams
Galax: Stockner
Harrisonburg: Myers
Hopewell: Eld
Lexington: Boykin, Morgan
Little Creek: Wilson
Luray: Town of Luray
Lynchburg: Burnett, Capron, Glamorgan Pipe & Fdry. Co., Lynchburg Fdry. Co., Odor, Showalter, Snead, Wilson, Wright
Madison Heights: Mays
Marion: Town of Marion
Martinsville: Hackler
Newport News: Dugger, Harman, Kreibohm, Murray, Welch
Norfolk: Beazley, Fitzgerald, Freeman, Hodges, Johnson, Kegebein, Layne-Atlantic Co., Miller, Oberndorfer, Price, Smith-Douglass Co., Sturgeon
Norton: Town of Norton
Orange: Knoell
Petersburg: City of Colonial Heights, Davis
Portsmouth: Murden
Radford: City of Radford
Richmond: Anders, Bardwell, Bateman, Bickelhaupt, Blackwelder, Blankenship, Chapman, Cox, East Coast W. Co., Elliott, Gregory, Hedgepeth, Hendrix, Hopkins, Humphrey, Jodaitis, Lafoon, Lilly, Lordley, Massey, Meredith, Messer, Mills, Phipps & Bird Inc., R. Stuart Royer & Assoc., Ruehl, Shewbridge, Shultz, Siebert, Silcox, Smith, Snidow, Strother, Talcott, Teal, Van Natta, Weaver
Roanoke: Adams, Breakell, Crockett, Ferguson, Fisher, Kavanagh, Mattern, Millikin, Moore
Rocky Mount: Town of Rocky Mount
Salem: Chapman
South Boston: Town of South Boston
State Farm: Ricks
Staunton: City of Staunton, Hale
Suffolk: Causey, Felton, Story
Tabb: Palmer
Waynesboro: City of Waynesboro
West Norfolk: Virginia Smelting Co.
West Radford: Shearer
Williamsburg: Drager
Winchester: Grant

WASHINGTON

Aberdeen: Bowen, Hough, Salmon
Anacortes: McCrory
Auburn: Gosney
Bellingham: Gooch, Hilton, Loop, Odell, Satterlee, W. Dept., Whatcom Co. W. Dist. No. 2
Blaine: Willey
Bremerton: Berkinbine, Casad, Eckland, Jarstad
Camas: Smith
Cashmere: Jarvis
Centralia: Hoover
Cheney: Chambers
Colfax: W. Dept.
Dayton: Bamford
Edison: Conn
Enumclaw: Scott
Ephrata: Bickford, Blanchard, Pontius
Everett: W. Dept.
Grand Coulee: Knight

Hoquiam: Boyer, Lovejoy, Sangder
Kelso: Jones
Kent: Rod
Kirkland: Sisler
Longview: Hazelquist, Labsap
Lynden: Knittel
Mercer Island: Olson
Moses Lake: Baun
Olympia: Stillman, Williams
Omak: Hubbert
Oroville: Payne
Port Angeles: Dodge, Payette
Port Orchard: Givens
Pullman: Erickson, Moore, Nelson
Puyallup: Chaney, Padgett
Raymond: Clark
Renton: City of Renton, Morrison
Richland: Bowelle, General Elec. Co., Johnson
Seattle: Adams, Allen, Anderson, Bell, Botten, Bow, Campbell, Clemings, Clines, Cook, Edwards, Federal Pipe & Tank Co., Foote, Fowler, Frick, Fryer, Gibson, Green, Hallgren, Harstad, Harvey, Hatton, Heath, Hill, Hitchings, Howard, Huick, Hydraulic Supply Mfg. Co., Jensen, Johnson, Jones, Leaver, Mannes, Marckmann, Mayhew, Mills, Murray, Nichols, Osberg, Osborne, Parker, Parks, Porter, Purcell, Rowe, Ruppert, Ryan, Schunke, Sichler, Smith, Stockman, Sylvester, Tangney, Thomas, H. W. Tyler, R. G. Tyler, Wartelle, W. Dept., Wenger, Wolff
Sequim: Snyder
Shelton: Brewer, Eck
Snohomish: Lysons
Spokane: City of Spokane, Fisken, Jones, Judd, Malony, McGee, Spokane Util. Supplies Co., Washington W. Power Co., Woodward
Steilacoom: Bristow, Dowlin, Harlock, Light
Tacoma: Atlas Fdry. & Machine Co., Crosby, Eernisse, Hooker, Kuehl, Kunigk, Schwab, Shanaman, Smith, Stenger, Worthen
Vancouver: Cromwell, Parks, Ray
Walla Walla: McLean
Wenatchee: Campbell, Dunstan, Hickcox, Sterling
Yakima: Gilman, Gray, Hall

WEST VIRGINIA

Alloy: Topham
Beckley: Farmer, Leary
Belle: Moses
Bluefield: Rhoads
Charleston: Bannen, Blair, Bradley, Carmack, Douglass, Erskine, Grant, Harrington, Hayne, Haynes, Hetzer, Hugart, Kelley, Lively, MacDonald, McCall, Miller, Musser, Settle, Staub, Tingley, Veader, Watson, W.Va. Pub. Service Com., W.Va. State Health Dept., Williamson
Chester: Young
Clarksburg: Boynton, Highland
Clendennin: Cantley
Fairmont: Cain, Meyer, Shroyer
Follansbee: Mahan
Gary: Evans
Hinton: Timberlake
Huntington: Dale, Dwyer, Edwards, Jones, Keeler, Thornburg, Waldron
Hurricane: Chapman
Kenova: Cramer
Keyser: Blundon
Logan: Pure W. Co. Inc.
Lumberport: Harbert
Madison: Whitlock
McMechen: Davis, Summers
Moorefield: Brill
Morgantown: Speiden
Moundsville: Berry, Hetzer
Mullens: Kirby
New Cumberland: Cullen
Newell: Tucker
Northfork: Breeding
Parkersburg: Coffield, Daniels, Fulmer, McIntire
Piedmont: Richards
Princeton: Leshkow
Shepherdstown: Prather
Shinnston: Stewart
Sistersville: Hammel, Sandy
South Charleston: Carbide & Carbon Chem. Corp.
Spencer: Payne
Vienna: Justus
Weirton: Sample, Simmons
Welch: Clark
Wellsburg: Morgan
West Liberty: Daugherty
Weston: Coger
Wheeling: Parsons, Todd, Yates
Williamstown: Boyd

WISCONSIN

Algoma: Storm
Antigo: Ehlers
Appleton: Dimick, Gallaher
Ashland: Kingsbury, Snow
Baraboo: Shaw
Beaver Dam: Munic. W. Dept.
Beloit: Febry, Klenzade Products Inc.
Burlington: Degen, Hoganson
Chilton: Roll
Clintonville: Lyon
Columbus: Roob
Crandon: Jackson
Cudahy: Olien, Totka
Delavan: W. Com.
Eau Claire: Brown
Elkhorn: Lt. & W. Com.
Evansville: Cary
Fond du Lac: W. Dept.
Gillett: Sack

Green Bay: Allouez W. Dept., Preble, W. Dept.
Jefferson: Fischer, Jark
Juneau: Kadinger
Kaukauna: Weckwerth
Kenosha: W. Dept.
La Crosse: Barth, Davy Eng. Co., Highberg, Murphy
Lake Geneva: O'Neill
Madison: Aske, Borchardt, Domogalla, Dreschler, Gauer, Johnson, Kirchoffer, Knechtges, Lenz, Mead, Muegge, Nichols, Rohlich, Shoemaker, Smith, Ward, Warrick, Wirth, Woodburn
Manitowoc: Cannard, Johnson, Rheaume
Marinette: W. Com.
Marshfield: Kipp, Spencer
Menasha: Clinton, Widsteen
Merrill: W. Util.
Milwaukee: Allis-Chalmers Mfg. Co., Badger Meter Mfg. Co., Becker, Bohmann, Breimeister, Brown, Chain Belt Co., Cutler-Hammer Inc., Deringer, Dummer, Egebrecht, Galloway, Gruetzmacher, Hartmann, Hoefer, Kerslake, Klebenow, Krumbiegel, Lee, Lindenman, Milaeger, Moore, Rogers, Rynders, Schmitt, Schwada, Smith, Sturman, Tanghe, Thomas, Town of Lake W. Util., Windfelder, Wright
Neenah: Hoppe, Kimberly-Clark Corp., W. Dept., Westfahl
Oconomowoc: W. Dept.
Oshkosh: Eichinger, Hintz, Schneider, Skibbe
Peshtigo: W. Dept.
Plymouth: McGuire
Port Washington: Miller
Racine: Griffith, McCarthy, Peirce, Quimby, Richardson
Sheboygan: Bd. of W. Comrs., Hartman, Zufelt
Sheboygan Falls: Langner
South Milwaukee: Held
Sparta: Hensel
Stevens Point: Somers
Stoughton: Dahle
Superior: Corine, Sorenson
Tomahawk: Munic. W. Util.
Two Rivers: Bartz, Capraro
Waseca: Cooper
Washburn: Smith
Watertown: Reichardt
Waukesha: Kuranz
Waupun: Towne
Wausau: Leistikow
Wauwatosa: City of Wauwatosa, Henke
West Bend: Bremser
West Salem: Meyer
Whitewater: Drewry
Wisconsin Dells: Lee
Wisconsin Rapids: Cons. W. Power & Paper Co., Doyle, Steib

WYOMING

Buffalo: Piercy
Casper: Streeter
Cheyenne: Baldwin, Hunter, Leonard, Sherard, Watson, Williams
Rawlins: Davis
Rock Springs: Darling

United States Territories

ALASKA

Anchorage: Lewis
Juneau: Alter
Ketchikan: Carlson

CANAL ZONE

Balboa: Hatch
Balboa Heights: Panama Canal
Margarita: Dunn

HAWAII

Hilo: Bartz
Honolulu: Auld, Bd. of W. Supply, Chaffee, Downer, Duvauchelle, Griffey, Harada, Hee, Hefty, Herschler, Hull, Levine, McMorrow, Meinecke, Randolph, Samson, Tyler, Wicke

PUERTO RICO

Guaynabo: Hernandez
San Juan: Bray, Cuevas, Guillermety, Oliver, Ortega
Santurce: Cook, Guillermety, Heres Gonzales, Vinas Sorba

Canada and Newfoundland

ALBERTA

Calgary: Balshaw, Hamelin, Hollies, Randle, Robinson, Webb
Edmonton: City of Edmonton, Main, McFarland, Richardson, Ripley, Stanley
Lethbridge: Haimes
Wetaskiwin: Maggs

BRITISH COLUMBIA

Brighouse: Jones
Cloverdale: Harvie
Edmonds: Francis
Hollyburn: Richardson
Kamloops: City of Kamloops
Kelowna: Meckling
Kimberley: Shayler
Nanaimo: Shepherd
New Westminster: City of New Westminster, Corp. of Burnaby, McGugan
North Vancouver: Greenwood, Valentine

Oak Bay: Musgrave
Penticton: Lockwood
University Hill: Dilworth
Vancouver: B. C. Concrete Co. Ltd., Brakenridge, Cleveland, Critoph, Davidson, De Laueier, Dominion Bridge Co. Ltd., General Utils. Co. Ltd., Jones, Oliver, Perry, Powell, Rome, Shanahan, Stephenson, Stewart, Terminal City Iron Works Ltd.
Vernon: Tassie, Wright
Victoria: Bowering, Irwin, Lake
West Vancouver: Evans

MANITOBA

Brandon: Turnbull
Dauphin: Town of Dauphin
Portage la Prairie: Porter
St. Boniface: Bibeau
Winnipeg: Brickenden, Bubbis, Charles, Hurst, Keeping, Lindsten, Manitoba Dept. of Health & Pub. Welfare, Morris, Scott, Shand

NEW BRUNSWICK

Edmundston: Fournier
Fredericton: Cameron
Moncton: MacWilliam
St. John: Goddard, McAvity, W. & Sewerage Dept.

NEWFOUNDLAND

St. John's: Jack, Martin

NOVA SCOTIA

Amherst: Wightman
Bridgewater: Thompson
Chester Basin: Loring
Dartmouth: Lahey, Thomson
Halifax: Beazley, Churchill, Cohrs, Kaye, Kline, Macnab, McKay, Noonan, Nova Scotia Bd. of Insurance Underwriters, Palmer, Renner, Thomas
Kentville: MacDonald
New Glasgow: Nicholson
Sydney: W. Dept.
Truro: Gorden

ONTARIO

Almonte: Syme
Amherstburg: Hatch, Wilson
Ancaster: Lyons
Aylmer: McBrien
Barrie: Pub. Utils. Com.
Belle River: Gauthier
Belleville: Both, Pub. Utils. Com.
Blenheim: Pegg
Bowmanville: Chase
Bracebridge: Ball
Bradford: Davey
Brampton: W. Com.
Brantford: Catton, Gibbons, Grandfield, Jordan, Pub. Utils. Com., Roberts, Williams
Brockville: Farquharson
Burlington: Edwards, Williamson
Caledonia: Norton
Campbellford: Denyes
Carleton Place: Rogers
Chatham: Bd. of W. Comrs.
Chesley: Grabb
Chippawa: Village of Chippawa
Clinton: Pub. Utils.
Coburg: Greene
Cooksville: Maxwell
Dresden: Town of Dresden
Dundas: Pub. Utils. Com.
Dunnville: Pub. Utils. Com.
Elmira: Bowman, Pub. Utils. Com.
Essex: Hill, Truesdale
Exeter: Lampman
Fonthill: W.W. Com.
Forest: Forest Pub. Utils. Co.
Fort Erie North: Jepson
Fort William: MacLennan
Galt: Cuthiell, Pub. Utils. Com., Teckoe
Glencoe: Pub. Utils. Com.
Goderich: Kelly, Weaver
Gravenhurst: Elec. Lt. & W. Com.
Grimsby: Henderson
Guelph: Chalmers, Mountford, Twp. of Guelph
Haley: Dick
Hamilton: Buckley, Collison, Darling, Matheson, McFaul, Murray, Philips, Veale
Hanover: Pub. Utils. Com.
Hawkesbury: Lambert, Wang
Hespeler: Meyer
Huntsville: Soden
Ingersol: Hall, Washburn
Islington: Twp. of Etobicoke
Kenora: McCoombs
Kincardine: MacDonald
Kingston: Lee, Pub. Utils.
Kirkland Lake: Archibald, Twp. of Teck
Kitchener: Pequegnat, W. Com.
Leamington: Walling
Leaside: Crawford, Miller, Ruscica
Lindsay: Reynolds, Thompson
Listowel: Hanna
London: Buchanan, Charles, Dunn, Hodkinson, House, Kirk, McKillop, McManama, Pub. Utils. Com.
Long Branch: Gage, Johnson, Randall, Taylor
L'Original: Bertrand
Merritton: W.W. Dept.
Midland: Pub. Utils. Com.
Mitchell: Moses
Napanee: Dafoe
New Liskeard: Sutcliffe
Newmarket: W. Dept.
Niagara Falls: Andrews, Erwin, Newby, Pringle, Warder
Niagara-on-the-Lake: Niagara W. Dept.
North Bay: City of North Bay
Oakville: W. & Lt. Com.
Orangeville: Marshall
Orillia: Alport, W. Lt. & Power Com.

Ottawa: Edmonds, Ferguson, Heeney, Hoey, Hooper, Lawson, MacDonald, McIntyre, Menzies, Pequegnat, Stockwell, Thomas
Owen Sound: Neath, Waddell
Palmerston: Foster
Paris: Pub. Utils. Com.
Parry Sound: Thomas
Pembroke: Howe
Penetanguishene: W. & Lt. Com.
Perth: Smith
Peterborough: Dobbin, Harrison, Utils. Com.
Petrolia: Pub. Utils. Com.
Picton: Tait
Port Arthur: Chandler, Flook
Port Colborne: Port Colborne
Port Credit: Parkinson
Port Dalhousie: Hare
Port Dover: King
Port Hope: W.W. Com.
Port McNicoll: Brownell
Port Stanley: Guttridge
Prescott: Dowsley
Preston: Lt. & W. Com.
Renfrew: Riddell
Ridgetown: Pub. Utils. Com.
River Canard: Carstairs
Riverside: Pub. Utils. Com.
St. Catharines: Cameron, McPhail, Walker
St. Marys: Pub. Utils. Com.
St. Thomas: Miller, Pub. Utils. Com.
Sarnia: Crockett, Hall, Milne, Whitfield
Sault Ste. Marie: Cornell
Seaforth: Brown
Simcoe: Pub. Utils. Com., Stalker
Smiths Falls: Davis, W. Com.
South Porcupine: Anderson
Southampton: Calder
Steep Rock Lake: Eyton
Stratford: Manson, Powell
Strathroy: Pub. Utils. Com.
Sudbury: Martindale
Swansea: Ternent
Tavistock: Pub. Utils. Com.
Tecumseh: Arbour
Thorold: Pub. Utils. Com.
Thorold South: Moore
Tilbury: Pub. Utils. Com.
Tillsonburg: Pub. Utils. Com.
Timmins: Corp. Town of Timmins, Lane
Toronto: Anderson, Angus, Argo, Ball, Berry, Bilbrough, Brown, Burn, Caverly, Clarke, Crase, Curtis, Daly, E. D. Davis, H. M. Davis, De Laporte, Dept. of Works, Duncan, Fassel, Forest Hill W.W. System, Galimbert, Garry, Gass, Graham, Hoskin, Howard, Hulse, Hydro-Elec. Power Com. of Ontario, Illman, John C. Inglis Co. Ltd., Jennings, Johnston, Kennedy, Kilborn, Kinney, Leitch, Macdonald, MacLaren, MacLean, MacLeod, McDonald, McElhanney, McGuire, McRae, Meadows, Mills, Mimico Pub. Utils. Com., Morgan, Munro, Murray, New Toronto Pub. Utils. Com., O'Hara, Potter, Powell, Price, Proctor, Redfern, Reid, Russell, Rybka, Sanderson, Scarborough Pub. Utils. Com., Scheak, Simmonds, Stewart, Stinson, Storrie, Thompson, Twp. of E. York, Twp. of York, Van Burek, W. & Sewage, Watt, White, Wilkes, Williams, Wilson, Woolidge
Trenton: Pub. Util. Com.
Walkerville: Kerr
Wallaceburg: W. Com.
Waterford: Pub. Utils. Com.
Waterloo: Oke, Woods
Watford: Fuller
Welland: Bd. of W. Comrs., McCollum
Weston: Peirson
Wheatley: Chute, McDonald
Whitby: Pub. Util. Com.
Willowdale: Twp. of New York
Windsor: Armstrong, Bayard, Gillett, Hanna, Keith, Kellner, Medlar, Pegg, Strickland, Taylor, Utils. Com.
Wingham: Jeffs
Woodstock: Powers, Sullivan

PRINCE EDWARD ISLAND

Charlottetown: Matheson, Sharpe

QUEBEC

Arvida: Aluminum Co. of Canada Ltd., Lemieux
Coaticook: Dumont
Dorval: Gouin
Grand'Mere: Villemure
Lachine: Des Lauriers
Malartic: Duff
Montreal: Benoit, Bird-Archer Co. Ltd., Borgford, Brisset des Nos, Cyr, Dowd, Fairbairn, Gerin, Gibeau, Harrington, Hill, Hunter, Hutchison, Lafrenière, Lalonde, Lea, McCrady, Meadows, Mercer, Morgan, Tomlinson, Touzin, Vincent
Montreal West: Burnett
Pointe Claire: Keene
Quebec: Quebec Provincial Transportation & Communication Bd., Tremblay
St. Hyacinthe: Blanchard, Crepeau, Harris
St. Jerome: Morin
St. Lambert: LeRoyer
St. Pierre: Demers
Sainte-Anne-de-Bellevue: Lavigne
Shawinigan Falls: Dorion
Sherbrooke: G. J. Cote, J. C. Cote, Slattery
Sillery: Langlois
Temiskaming: Grimmer
Thetford Mines: Saintonge
Trois-Rivieres: Dufresne
Valleyfield: Lafontaine
Verdun: Des Baillets, Dorrance, Hadley, Kilpatrick

SASKATCHEWAN

Moose Jaw: Fawkes
Regina: Goode, Hainstock, Schaeffer, Waddell, W.W. Dept.
Saskatoon: McKay, Rivett, Underwood, Weir
Swift Current: Carss
Yorkton: Bailey

Cuba

Camaguey: Everett
Cardenas: Castro y Asunsolo
Havana: Bequer y Herrera, Cia. de Acueducto de Cuba, Corvison, Cosculluela, Daniel, de Goicoechea, de Sena, Docal, Fernandez y Simon, Garcia-Montes, Granda y Deben, Gutierrez Bolivar, Jordan, Machado, R. A. Martinez, S. S. Martinez, Montoulieu, Nunez, Pedroso, Perez Izquierdo, Prieto Vernezobie, Puente, Radelat, Sanchez Giquel, Santana, Valdes Roig, Victory, Vilá, Vilaret, Villaverde Nunez
Mantanzas: Crutchfield, Erwin

Other Foreign

AFGHANISTAN

Kabul: de Jong

ARGENTINA

Buenos Aires: Auderut, A. M. Lockwood, F. G. Lockwood, Negri, Paitovi, Perazzo, Rozlosnik, Trelles
Rosario de Santa Fe: Lasso

AUSTRALIA

Botany: Murray
Brisbane: Bristow
Broken Hill: W. Bd.
Burnley: Shoppee
Ivanhoe: Sutherland
Kew: Bowen
Melbourne: Martin: McKenzie, Melbourne & Metropolitan Bd. of Works, O'Nial, Ritchie, Smith
Mildura: Robbins
Mt. Crosby via Ipswich: Simmonds
Sydney: Nicol
West Midland: Watson

BOLIVIA

La Paz: Fox

BRAZIL

Bahia: Gouveia
Belem: Janzen, Sellner
Rio de Janeiro: de Brito, Franco Henriques, Kessler, Wagner
Salvador: de Silva, Guimaraes, Marchesini, Olivieri, Velloso
São Paulo: De Paiva Castro, Sene
Vitoria: Bovee, Holloway

BRITISH GUIANA

Georgetown: Sewerage & W. Comrs.

BRITISH WEST AFRICA

Nigeria: Bulbin

BRITISH WEST INDIES

Jamaica: Kirkpatrick
Trinidad: Williams-Smith

CHILE

Antofagasta: Hill

CHINA

Nanking: Chin, Morrill
Shanghai: Stone

COLOMBIA

Bogota: Albornoz P., Correal, de Santamaria, Espniosa, Forero Velez, Lobo Guerrero, Mejia, Noguera S.
Cali: Caicedo P., Pena D., Tello M.

COSTA RICA

San Jose: Picado

DENMARK

Holte: Jarvis

DOMINICAN REPUBLIC

Trujillo: Whitehair

ECUADOR

Quito: Bahamonde, Connor, Donovan, Gonzalez Carrera, Ponce M., Schaefer, H. T. Smith, N. F. Smith

EGYPT

Cairo: Zaghloul

EIRE

Dublin: Clifton

EL SALVADOR

San Salvador: Aguilar V., Hanes

ENGLAND

Ashton-under-Lyne: Whitson
Barnsley: Co. Borough of Barnsley
Birmingham: Golder
Bournemouth: Moon
Bristol: Paterson
Croydon: Corp. W. Undertaking
Gerrards Cross: Lapworth
Harrow: Coulson, Waddington
Kingston upon Hull: Corp. W. Dept.

London: Berry, Cook, Cronin, Dagley, Howland, Inst. of W. Engrs., Liffen, Moir, Nicholls, Paterson, Raffety, United Filters & Eng. Ltd.
Luton: Luton W. Co.
Marlow: Rittman
Newcastle-upon-Tyne: Carey
Norwich: City of Norwich
Nottingham: Heppenstall
Orpington: Compton
Redhill: Swales
Ruislip: Tarrant
Sheffield: Corp. W.W.
Wolverhampton: Page

FRANCE

Paris: Emmanuelli, Michau, Paris Compagnie Générale des Eaux

GERMANY

Munich: Mason, Wagner

GUAM

Guam: Incledon, Romine, Waite

GUATEMALA

Guatemala City: Cia. del Agua del Mariscal, S.A., Dorion

HAITI

Port-au-Prince: Goldman

INDIA

Bangalore: Murthy
Bombay: Bhoota, Mehta
Calcutta: MacGregor
Nagpur: Deo
Travancore State: Narayanan N.

MEXICO

Cuauhtemoc: Calderon de Palacio
Mexico City: Bruning, Castilla, Cornejo, Lopez-Fuentes, Meneses H., Mexico Banco Nacional Hipotecario Urbano y de Obras Publicas, Molina, Picton, Villa-Acosta, Willms
San Luis Potosi: Fitzmaurice
Tamaulipas: Lasaga
Vera Cruz: Guevara Domingo

NEW ZEALAND

Dunedin: Scoular

PALESTINE

Tel Aviv: Ajzenberg, Friedman, Goldberg

PANAMA

Panama: Bunker

PERU

Lima: Arbulu, Arrisueno, Blume, Choza, Dawson V., Holy, Pons M.

PHILIPPINE ISLANDS

Manila: Metropolitan W. Dist., Perlas, Ramirez

SCOTLAND

Edinburgh: McDiarmid
Glasgow: Ball

SOUTH AFRICA

Cape Town: City Engrs. Dept.
Pietermaritzburg: City of Pietermaritzburg

SPAIN

Madrid: Entrecanales
San Sebastian: Echaide

STRAITS SETTLEMENTS

Singapore: Municipality of Singapore, Murnane

SWEDEN

Gothenburg: Blidberg
Malmö: Malmö Stads Vatten- och Avloppsverk
Stockholm: Jansa

TURKEY

Soke: Ozbas

URUGUAY

Montevideo: Altoberro

VENEZUELA

Caracas: Acevedo-Quintana, Ayala, Cabrera Sifontes, Disario, Firth, Harris, Hurtado, Instituto Nacional de Obras Sanitarias, Klindt, Leon D., Lilue, Lombana, Osorio S., Perez Guerra, Rodriguez P., Sánchez Mora, Steel, Stolk, Sucre, Uslar, Vicentini G., Wannoni
Edo Miranda: Perez La Salvia
Estado Falcón: Troconis
Maracaibo: Alizo C., Creole Petroleum Corp., Jud, Lozada, Schmidt

CONSTITUTION & BY-LAWS

of the

AMERICAN WATER WORKS ASSOCIATION

with

STATEMENTS OF POLICY

AMERICAN WATER WORKS ASSOCIATION
Incorporated
500 Fifth Avenue New York 18, N.Y.

The text of the Constitution and By-Laws includes all amendments made to the date of issue of this Directory. Since the document was last published in the 1946 Directory, the following amendments have been made:

Constitution	*Art. II, Sec. 2.1*	*September 17, 1948*
	Art. III, Sec. 2f, h, i	*October 25, 1947*
	Art. IV, Sec. 1.3	*October 25, 1947*
	Art. V, Sec. 1.1, 1.2, 1.3	*October 25, 1947*
By-Laws	*Art. III, Sec. 8*	*January 18, 1948*
	Art. V, Sec. 6.2, 6.3	*October 23, 1947*
	Art. VI, Sec. 1.1	*October 23, 1947*
	Art. IX	*October 23, 1947*

CONSTITUTION AND BY-LAWS
of the
AMERICAN WATER WORKS ASSOCIATION
(Incorporated)

(Adopted June 25, 1929, with amendments to January 19, 1948)

CONSTITUTION

ARTICLE I

Name

The name of this Association shall be—The American Water Works Association.

(Constitution)

ARTICLE II

Object

The object of this Association shall be the advancement of knowledge of the design, construction, operation and management of water works, and its membership shall consist of persons interested in such matters, having such qualifications and classifications as shall be from time to time prescribed in the By-Laws.

(Constitution)

ARTICLE III

Board of Directors

SECTION 1. The Governing Body of the Association shall be a Board of Directors, hereinafter called the Board.

SECTION 2. The Board shall consist of:

a. The President of the Association.

b. The Vice-President of the Association.

c. The Treasurer of the Association.

d. One Director to be elected by each Section of the Association.

e. Three Directors to be elected by the Water and Sewage Works Manufacturers Association.

f. The latest living Past President of the Association, who is, ex officio, Chairman of the General Policy Committee.

g. The Chairman of the Committee on Water Works Practice.

h. The Chairman of the Committee on Water Works Administration.

i. The Chairman of the Publication Committee.

SECTION 3.

3.1. The terms of Directors and Officers shall start at the beginning of the last day of the annual convention held subsequent to the date of their election. If, for any reason, a Director is not elected until after the date of the holding of the annual convention at which he should have commenced his term of office, his term of office shall begin at the date that the advice of his election is received by the Secretary. The terms of Directors and Officers shall terminate at the beginning of the last day of the annual convention in the year of expiration of their terms of office.

3.2. If, for any reason, the annual convention of the Association is not held between January 1 and July 1, in any year, then the terms of newly elected Directors and Officers shall commence on July 1 of such year; and the terms of office of the Directors and Officers who are to be succeeded shall terminate on that date.

SECTION 4. The President of the Association, the Vice-President of the Association and the Directors elected by the Sections of the Association and by the Water and Sewage Works Manufacturers Association will not be eligible for reëlection for consecutive terms.

SECTION 5. The Officers of the Association shall be the Officers of the Board.

SECTION 6. The functions of the Board shall include the following:

a. Establishing policies for the Association, and for the Executive Committee, and for the Officers.

b. Providing for the general administration of the affairs and property of the Association.

c. Fixing the time and place of the annual and other conventions of the Association as provided in the By-Laws.

d. Preparing and enforcing for the conduct of the business of the Association By-Laws not in conflict with this Constitution, and amending the same.

SECTION 7.

7.1. The Board may exercise the above described functions either in session at stated or duly called meetings or by letter ballot. Any matter that requires action by the Board of Directors at a time not conveniently related to a regular or called meeting may be submitted to it for approval by letter ballot.

7.2. The Board may, by resolution, designate categories of Association business which may be submitted to it by letter ballot. Matters not thus designated may be considered by the Executive Committee in the exercise of its stated duties (By-Laws, Article IV), or the Executive Committee may refer such matters to the Board for approval by letter ballot. Such action by the Executive Committee may be taken either at a meeting of the committee or by a letter ballot of the committee, if the initiation of said letter ballot is directed by the President in a letter addressed to the Secretary.

7.3. Except as otherwise provided by resolution of the Board, matters submitted to it by letter ballot shall obtain an affirmative recorded vote of two-thirds of the Board membership to secure approval. The results of all letter ballots shall be reported to the Board at its next meeting.

SECTION 8. A quorum of the Board shall consist of a majority of its members.

SECTION 9. Regular meetings of the Board shall be held during the annual

convention of the Association, on such days as may be decided by the Board. Other meetings may be held at the direction of the President, or at the request, in writing, of five members of the Board, and on such notice as shall be provided in the By-Laws.

SECTION 10. No Board Member may be represented in any action required of him as a Board Member by any other person; nor may he vote, by letter, upon any matter scheduled for consideration at a duly called meeting of the Board.

(*Constitution*)

ARTICLE IV

Nomination and Election of Officers and Directors

SECTION 1.

1.1. There shall be a meeting of the Board held in January of each year at which a Nominating Committee consisting of the Directors representing the various Sections of the Association shall meet under the Chairmanship of the President, and shall nominate one, and may nominate two candidates for each of the offices of President, Vice-President, and Treasurer, provided that any candidate so nominated shall be an Active Member of the Association, and shall have been a member of the Executive Committee prior to the adoption of the present Constitution and By-Laws, or a member of the Board of Directors since its adoption, and shall signify willingness to accept the nomination. This Committee shall report its list of nominees to the Board before the close of its January meeting, and the list shall then be mailed to the membership before February first of that year.

1.2. At any time prior to noon on the first day of March of each year additional nominations may be made by request to the Secretary, signed by at least twenty-five Active Members, and upon receipt of such request, the Secretary shall, after acceptance of the nomination by the candidates, add such names to the ballot prepared by him. The nominees of the Nominating Committee shall be so designated on the ballot for each office, and the names of all nominees shall be arranged in alphabetical order.

1.3. When more than one person is nominated for any office, the election shall be by letter ballot. Each Active Member shall be entitled to vote for one candidate for the office of President, one candidate for the office of Vice-President, and one candidate for the office of Treasurer. The ballot shall be prepared by the Secretary and mailed to each Active Member of the Association prior to April first in each year, and shall state the name and residence of each candidate.

1.4. The ballot shall be sealed separately in a special ballot envelope, and the latter shall be enclosed in a larger envelope, and mailed to the Secretary. The signature of the member voting shall appear on the outer envelope.

1.5. When a letter ballot is necessary, the Secretary together with two or more Tellers appointed by the President shall meet at a time and place directed by the President, and shall open and count all ballots cast by persons entitled to vote. No ballot shall be counted if received later than noon of the seventh day previous to the beginning of the annual convention of the

Association. When only one candidate is placed in nomination for each office to be filled, the report of the Nominating Committee shall be considered as an election.

1.6. The report of the Tellers for the election of the incoming President, Vice-President, and Treasurer shall be declared by the President at the annual convention on certificates of the Tellers. The candidates who shall have received the highest number of votes cast for the several offices shall be declared elected. If there be a tie vote the President shall order a ballot to be taken at the annual convention to decide which of the candidates who have received the same number of ballots shall be chosen.

SECTION 2.

2.1. The terms of the Officers so elected shall commence at the beginning of the last day of the annual convention, following the date of their election; and shall cease at the beginning of the last day of the next annual convention. But, if an annual convention is not held prior to July 1, that date will be the date of the beginning of the term of office of an officer. Said term shall be for approximately one year, but shall continue until a successor has been chosen.

2.2. In case of a vacancy in the office of President, the Vice-President shall act in his place for the unexpired term. In case the Vice-President cannot act, the latest living Past President shall do so.

2.3. In the case of a vacancy in the office of Treasurer, the Executive Committee shall appoint an Active Member to fill the office for the unexpired term.

SECTION 3.

3.1. One Director to represent each Local Section shall be nominated and elected by the members of the Section at an annual Section meeting, and in the same manner as the Presiding Officer of that Section is elected. The manner of such election shall receive the approval of the Board. The Director so elected shall be an Active Member and shall reside in the territory of the Section at the time of his election. Should he cease to reside in the territory of the Section before his term of office is ended, it shall be within the power of the Section to replace him.

3.2. The term of each Director so elected shall be for approximately three years, beginning with the last day of the annual convention immediately following his election, or on the following July 1. When a new local Section is established, the initial term of the Director representing such Section shall be as determined by the Board.

3.3 In the case of the retiring, from any cause, of a Director representing a Section, before his term is completed, the governing body of the Section shall designate his successor, who shall serve for the unexpired portion of the term.

SECTION 4.

4.1. Three Directors shall be nominated and elected by the Water and Sewage Works Manufacturers Association. The term of each Director shall be for three years beginning with the last day of the annual convention immediately following his election, or on the following July 1.

4.2. In the case of the retiring, from any cause, of a Director representing the Water and Sewage Works Manufacturers Association before his term is completed, the governing body of the Water and Sewage Works Manufacturers Association shall designate his successor who shall serve for the unexpired portion of the term.

(*Constitution*)

ARTICLE V

Amendments

SECTION 1.

1.1. Proposals to amend this Constitution shall be made by any two active members of each of a majority of the local Sections of the Association, provided that such proposals are filed in writing with the Secretary not less than thirty days prior to a stated meeting of the Board. It shall be the Secretary's duty to submit such proposals to the Board of Directors at its next stated meeting.

1.2. The Board shall consider the proposals at any stated meeting (Constitution Art. III, Sec. 9; Art. IV, Sec. 1) and the proposers shall be notified of the Board's opinion in regard thereto not later than thirty days after such meeting.

1.3. The proposers may then withdraw their proposals, accept any change suggested, or insist on the original form, sending their decision to the Secretary not later than thirty days after the date of the Secretary's notice of the Board's action.

1.4. The proposals, as accepted by the proposers, shall be mailed to the Active Members not less than twenty-one days before the annual convention.

1.5. Proposals to amend this Constitution may also be made by the Board and shall be mailed to the Active Members not less than twenty-one days before the annual convention.

1.6. All proposals shall be submitted for discussion at the annual convention. The Active Members there present may propose an amendment or amendments thereto, and all proposals together with any such amendment or amendments shall be printed on a letter ballot to be submitted to the Active membership.

1.7. The Secretary shall issue the letter ballot not later than two months after the annual convention. On the written request of three or more members the letter ballot shall be accompanied by a statement giving reasons for and against the proposal edited by a Committee appointed by the Board, consisting of an equal number of members favoring and members opposing the proposal.

1.8. The letter ballot shall be returnable to the Secretary not later than three months after the annual convention. Three Tellers appointed by the Board shall forthwith count the ballots and report the result to the Board.

1.9. An affirmative two-thirds of all valid ballots shall be necessary for the amendment or repeal of any part of the Constitution.

1.10. The amendments as passed shall take effect at the beginning of the next calendar year except that changes affecting the tenure of office of an Officer of the Association shall not take effect until the next annual convention.

BY-LAWS

ARTICLE I

Membership

SECTION 1. The membership of the Association shall consist of Honorary, Active, Corporate, Associate, Junior Members and Affiliates.

SECTION 2. An Honorary Member shall be one whose practical or scientific knowledge in matters relating to water supply, and whose accomplishments in that field of endeavor shall entitle him to special recognition by the Association. Honorary Members shall have the same privileges as Active Members but shall not be required to pay any dues for the support of the Association.

SECTION 3. An Active Member shall be a superintendent, a manager, an official or employee of a municipal or private water works; a civil, mechanical, hydraulic, or sanitary engineer, a chemist, a bacteriologist, or any qualified person engaged or interested in the advancement of knowledge relating to water supplies.

SECTION 4. A Corporate Member shall be a Water Board, Water Commission, Water Department, Water Company or Corporation, National, State or District Board of Health, or other body, corporation or organization engaged or interested in water supply work, and shall be entitled to one representative whose name shall appear on the roll of members and who shall have all the rights and privileges of an Active Member. This representative may be changed at the convenience and pleasure of the Corporate Member on written notice to the Secretary.

SECTION 5. An Associate Member shall be a person, firm or corporation engaged in manufacturing or furnishing supplies for the operation, construction or maintenance of water works.

SECTION 6. A Junior Member shall be an employee of a municipal or private water works; a civil, mechanical, hydraulic, or sanitary engineer, a chemist, a bacteriologist, a student or any otherwise qualified person engaged or interested in the advancement of knowledge relating to water supplies. At the time of his admission he shall be not less than eighteen years of age. His connection with the Association shall cease when he becomes twenty-five years of age, unless he is regularly enrolled as a student in a university or has previously transferred to the grade of Active Member. Junior Members shall receive the JOURNAL and all privileges of Active membership except holding office and voting.

SECTION 7.

7.1. An Affiliate shall be any person otherwise qualified for Active membership who, at the time of application, is not nor previously has been a member of the Association, and who, for acceptable reasons, does not wish to become an Active Member.

7.2. No corporation, firm or partnership which otherwise would be entitled to the grades of Associate or Corporate Member may hold the grade of Affiliate. No employee of an Associate Member may become an Affiliate. No person who is the Superintendent, the Manager, the Chief Engi-

neer, the Superintendent of Filtration, the Chief Chemist or the Superintendent of Distribution in a plant having more than 3000 active services, is eligible for the grade of Affiliate. Under unusual conditions, exception to the above may be made by action of the Executive Committee if the applicant sets forth fully the reasons for the exception when applying for the Affiliate grade.

7.3. Affiliates shall not be entitled to vote upon general Association questions, and shall not be eligible to hold office in the Association, nor in any of its Divisions. They shall be eligible to vote upon Section questions and to hold Section offices except those of Chairman, Vice-Chairman, Secretary (and/or Treasurer). They shall be entitled to all other rights and privileges of Active Members.

SECTION 8.

8.1. Municipal Water Departments, Boards or Commissions may become Municipal Service Subscribers to the Journal. They will be entitled to receive all publications and bulletins which are sent to members of the Association. They will also be entitled to receive, upon request, interpretative information from the Secretary concerning standard or recognized procedures in the water works field. This service will not include information or replies to specific questions of a consulting engineering nature.

8.2. Municipal Service Subscribers shall be entitled to designate a member of the Water Department organization as "representative" whose name shall appear on the roll of members of the Association and who shall have all the rights and privileges of an Active Member. This representative may be changed at the convenience and pleasure of the Municipal Service Subscriber on written notice to the Secretary.

(*By-Laws*)

ARTICLE II

Admission and Expulsion

SECTION 1.

1.1. The Board of Directors shall, at its annual meeting, designate a Committee on Honorary Membership to consist of the incoming president and the two most recent living past-presidents. The duties of this Committee shall be to consider all suggestions made concerning the qualifications of any member of the Association for Honorary Membership and report its recommendations to the Board at any regular meeting thereof.

1.2. The Committee on Honorary Membership, on its own initiative or at the request of 25 active Members of the Association, may nominate any qualified person for Honorary Membership. Such nomination shall then be referred to the Board of Directors, who may elect the nominee to Honorary Membership. This election shall take place at a regular meeting of the Board and shall be by ballot. Two negative ballots shall exclude.

1.3. Not more than three Honorary Members shall be elected in any one year. No election to Honorary Membership shall be made which would cause the total number of Honorary Members to exceed a ratio of one Honorary Member to every 125 Active Members.

1.4. Each Honorary Member shall receive an engrossed certificate of membership in that grade.

SECTION 2.

2.1. Applications for Active, Corporate, Associate, or Junior membership and for the Affiliate grade shall be made on the blank forms provided by the Association. Each application shall include an adequate statement of the applicant's qualifications for membership. It shall describe precisely the nature of the activity in which the applicant is engaged. Applications for membership shall, whenever possible, be endorsed by a member of the Association. Applications which are received by the Secretary without endorsement may be referred by him to some member of the Association residing in the area where the applicant is located, with the request that the member endorse the application. In cases where the applicant resides in an area where no members of the Association are resident, the Secretary shall, to the degree indicated by his judgment, require the applicant to furnish evidence of his professional standing and employment to such extent as will indicate the adequacy of the applicant's qualifications.

Applications for Associate Membership shall be further reviewed by the Secretary, if necessary, in order to develop satisfactory information concerning the corporate structure of the applicant firm as well as its financial and business standing.

Applications shall be forwarded by the Secretary to the Board for approval when the above conditions have been met.

2.2. An affirmative vote of a majority of the Board shall elect and the applicant shall become a member when his annual dues shall have been paid.

2.3. Affiliates may transfer to the grade of Active Member by application therefor and upon approval of the Secretary.

SECTION 3. No member whose dues are in arrears for four months shall receive the publications of the Association until such arrears are paid. Members in arrears for one year shall be automatically dropped by the Secretary from the list of members.

SECTION 4. The Board may, for sufficient cause, temporarily or permanently excuse from the payment of annual dues, any member who from ill health, advanced age, or other good reason, is unable to pay such dues, and the Board may remit the whole or part of dues in arrears, or accept in lieu thereof desirable additions to the library or collections.

SECTION 5. A member who has been dropped for nonpayment of dues may be reinstated by the Board on payment of the arrears. He shall then be entitled to receive such back numbers of the publications of the Association as may have been withheld from him on account of nonpayment of dues, and are available for distribution.

SECTION 6. Any member of any grade may be expelled from membership in the Association, by a three-quarters vote of the Board, taken by letter ballot, provided such member has been given a written statement of the charges preferred, and has been accorded an opportunity of a hearing before the Board.

SECTION 7. Any member may retire from membership by giving written notice to the Secretary, provided that he is in good standing.

(*By-Laws*)

ARTICLE III

Fees and Dues

SECTION 1. Each Active Member shall pay annual dues of ten dollars, provided that any Active Member in good standing who has paid dues continuously for thirty years shall be exempt from payment of further dues. No initiation fee shall be required from a member in good standing of an Affiliate Association or Society, who has been elected as an Active Member.

SECTION 2. Each Corporate Member shall pay annual dues of fifteen dollars.

SECTION 3. Each Associate Member shall pay annual dues of twenty-five dollars.

SECTION 4. Each Junior Member shall pay annual dues of five dollars.

SECTION 5. Each Affiliate shall pay annual dues of four dollars.

SECTION 6. The fiscal year of the Association shall begin on January first, and terminate on December thirty-first. Annual dues shall be payable in advance, and shall be due on January first in each year. It shall be the duty of the Secretary to notify each member on or before December thirty-first in each year of the amount due from said member for the ensuing year.

SECTION 7.

7.1. Any newly elected member shall be entitled to all of the publications of the Association that are distributed to its members during the year, or that part of the year, for which he has paid dues.

7.2. Affiliates shall receive all publications to which the members are entitled except that they shall receive four issues only of the JOURNAL per year.

SECTION 8. Municipal Service Subscribers shall pay for the publications, bulletins and services as described, the sum of fifteen dollars per year.

(*By-Laws*)

ARTICLE IV

Executive Committee

SECTION 1.

1.1. There shall be an Executive Committee of five members consisting of the President and four Directors. This Committee shall be chosen by the Board at its meeting at the annual convention.

1.2. The President of the Association shall act as Chairman of the Committee, or in his absence, the Committee shall choose a temporary Chairman from its members; the Secretary of the Association shall act as its Secretary.

1.3. The duties of the Committee shall be to direct the administrative work of the Association and to carry out the policies of the Board between meetings of the latter.

1.4. A quorum of the Committee shall consist of three members.

(*By-Laws*)

ARTICLE V

Duties of Officers and Directors

SECTION 1. The President shall have general supervision of the affairs of the Association, and shall preside at all conventions of the Association and meetings of the Board. In his absence he shall designate a Presiding Officer to act in his stead at such conventions or meetings. He shall be, ex-officio, a member of all Committees.

SECTION 2. The Vice-President shall assist the President in the performance of his duties, and act in his stead when required. He shall be, ex-officio, a member of all Committees.

SECTION 3.

3.1. The Board of Directors shall be the legal representatives of the Association, and as such shall have full control of the Association in regular convention. It shall make the necessary arrangements for the conventions, and shall have power to expend the funds of the Association, or to invest the same, but must not incur indebtedness beyond the funds in the hands of the Treasurer and Secretary. It shall hold a meeting during the last day, and also a meeting at least one hour before the opening session of each annual convention. Other meetings shall be held at the call of the President, or of any five members of the Board. Notice of all meetings shall be issued by the Secretary at least ten days in advance of such meetings to all members of the Board.

3.2. At the meeting on the last day of the convention, the Board shall appoint the Secretary, who shall serve until the close of the next annual convention or until his successor shall have been appointed. If no annual convention is held prior to July 1, in any calendar year, the incoming Board of Directors shall appoint the Secretary as soon after July 1 as may be found feasible by said Board.

3.3. Except as otherwise provided in the Constitution and By-Laws, all questions before the Board shall be decided by a majority vote.

SECTION 4.

4.1. The Treasurer shall have charge of the funds of the Association and shall pay bills against the Association when signed by himself and the Secretary. He shall make such reports to the Board as may be necessary or as may be called for by said Board. He may, with the approval of the Board, establish a drawing account for the Secretary.

4.2. He shall be bonded at the expense of the Association, and to an amount to be determined by the Board.

4.3. He shall perform such other duties as may be assigned to him by the Board.

SECTION 5.

5.1. The Secretary shall be an Active Member of the Association. It shall be his duty to attend all conventions and meetings of the Association, and of the Board, prepare the business and duly record the proceedings thereof. He shall see that all moneys due the Association are collected, and shall promptly deposit the same to the credit of the Association. He shall certify to all bills against the Association, and once each month he shall forward to each member of the Board, a financial summary of receipts and disbursements.

5.2. The Secretary shall have charge of the printing and distribution to all

the members of the Proceedings and Transactions of the Association.

5.3. He shall be ex-officio, a member and Secretary of the Committee on Water Works Practice and of the Publication Committee.

5.4. He shall make such reports to the Board as may be necessary or may be called for by the Board.

5.5. He shall have charge of the books and records of the Association and shall supervise the work of all employees.

5.6. The books of the Association shall be audited annually by Certified Public Accountants, to be appointed by the Board.

5.7. He shall be bonded at the expense of the Association, and to an amount to be determined by the Board.

5.8. He shall perform such other duties as shall be assigned to him by the Board.

SECTION 6.

6.1. If an Editor is appointed by the Board, he shall perform such duties as shall be assigned to him by the Board. He shall be, ex-officio, a member of such committees as may be designated by the Board.

6.2. He (the Editor) shall see that all papers are edited before publication in the Association's *Journal;* and that all manuals or other material published by, or in the name of the Association, are brought into proper editorial form.

6.3. He shall, with the advice and consent of the Publication Committee, prepare rules which shall govern the preparation, presentation, acceptance and publication of all papers and such other matters of a similar nature as the best interest of the Association may require.

(*By-Laws*)

ARTICLE VI

Conventions of the Association

SECTION 1.

1.1. The annual convention of the Association shall be held at a time and place to be selected by the Board. Additional conventions of the Association may be held at such times and places as may be selected by the Board. Meetings of the Sections shall be held as determined by the By-Laws of the Sections.

1.2. All conventions and meetings shall be conducted according to "Roberts Rules of Order."

1.3. Each member and guest present at any of the conventions of the Association shall pay a registration fee of such amount as may be determined by the Board.

(*By-Laws*)

ARTICLE VII

Sections and Divisions

SECTION 1.

1.1. Local Sections may be established by the Board on receipt of a written request to that effect signed by at least twenty Active or Corporate members of the Association residing

in the territory within which the Local Section is desired. The territory embraced by each Local Section shall be fixed by the Board, and all members of the Association, resident within this territory, shall be members of this Section.

1.2. If a member resides within the territory of one Section, and has his principal place of business in the territory of another Section, he may, with the permission of the Board of Directors, elect the Section to which he will belong.

SECTION 2.

2.1. Any member of the Association who resides in a locality which is not included in the territory embraced by an existing Local Section may, upon written request to the Board, be included in the membership of any Local Section. The Secretary of the Association shall notify the Secretary of the Local Section of the enrollment of the member.

2.2. Whenever a new Local Section is formed or an existing Local Section has its territory extended which will include in its territory the locality where such member resides, he shall automatically be included in the membership of such Local Section.

SECTION 3.

3.1. Should a member of the Canadian Section desire to participate in the activities of any other Section more conveniently located, he may do so under the following conditions:

3.2. He shall make application to the Secretary of the American Water Works Association who shall transmit this request to the governing bodies of the Section concerned. If the latter approve, then the member shall be allowed to acquire membership in the additional Section.

3.3. He shall then be eligible to vote and enjoy all the privileges of both Sections, and may hold office in both Sections, but not simultaneously.

3.4. Any allotment of funds from the Association on his account shall be paid to the Section in which territory he resides. By arrangement, between the governing bodies of the Sections involved, such allotment may be divided between the Sections.

3.5. If a change takes place which makes his own geographic Section equally accessible, membership in the adopted Section shall cease.

SECTION 4.

4.1. A local Section may annually, after filing an application signed by the Section Secretary and endorsed by the Section Chairman, receive from the Association, for use in carrying on the activities of the Section, an allotment for funds from the Association's treasury in such amount as is authorized by the Board under the conditions set forth hereinafter.

4.2. The allotment of Association funds to Sections shall be based upon the dues income received by the Association from members of the Section up to October 1st of the prior calendar year. The amount allotted to a Section may be:

(1) twenty-five per cent of the dues received from Section members, up to $1,500 total, or $100—whichever is the greater—or

(2) $375 plus twenty per cent of the dues payments received from Section members above the $1,500 total in (1) above.

4.3. At each annual meeting of the Board, the Secretary of the Association shall submit to the Board, for its approval, a statement listing the amount of Association funds which each Local Section is entitled to receive for its use during the year. When the Board has

approved the Budget of the Association for any year, the Secretary of the Association shall advise the Secretary of each Section concerning the amount of Association funds which the Section is authorized to request for that year. He shall, at the same time, send to the Section Secretary a form for use in applying for funds. Upon return of this application, properly signed by the Section Secretary and endorsed by the Chairman, the allotment for the year shall be forwarded to the Section Secretary. Section officers are not required to request the full amount of the possible allotment to the Section. They may, if the activities of the Section do not require expenditure of all possible alloted funds, request only such portion of any year's allotment as may be needed to carry on the Section activities.

4.4. Association funds allotted to Sections may be used only to carry on such activities as are considered by the Board to be consistent with the Constitution and By-Laws of the Association and the By-Laws of the Section. No portion of A.W.W.A.-derived funds shall be used to pay dues or fees in any other Association; to pay travel expenses of any Section officer or members outside the Section territory; or to pay fees or expenses to any legislative agent or representative. Charges accruing because of luncheons or dinners at Section meetings or because of entertainment at such functions (other than fees of professional speakers) shall be paid by the Section from its registration fee income or from the sale of tickets for such events.

4.5. The Secretary of each Local Section shall close his accounts as of November 30th each year, and not later than December 15th of each year shall submit a certified copy of his accounts (endorsed by the Section Chairman) to the Secretary of the Association, the same being itemized and showing the amount of funds used during the year and the balance on hand of funds received from the Association which remains to the credit of the Section. This report shall also show the amount of all other funds (cash, bank deposit or invested funds), title to which is vested in the Section, which amount has not been derived from Association allotments, but from registration fees, sale of tickets or any other source. The report of such funds shall include a record of the balance in hand at the beginning of the report year, the additions to and the disbursements of such funds for the year, and the balance remaining at the end of the report year. This accounting is intended for record purposes and for the information of the Board of Directors. It shall not be taken into account by the Board in considering the allotment of Association funds to the Section, unless a Section applies for an allotment in excess of the amount to which it is entitled under the terms of Subsection 4.2.

4.6. Such accounts, when received by the Secretary, shall be referred by him to the Auditor who shall examine them and report to the Board that: (1) the accounts are in order; or (2) that exception is taken to expenditures not in accord with the terms of Subsection 4.5. The Board shall take such action upon the Auditor's recommendation as it deems proper.

4.7. Since Association funds allotted to Sections are intended for use by the Sections, the allotment to any Section in any year shall not be in excess of the difference between an amount equal to twice the possible current annual allotment and the Section's

balance of allotment money as of December 1 of the previous year.

4.8. When, in the judgment of the Board, special activities which any Local Section plans to undertake will be of material benefit to the Section and to the Association, the Board may increase the allotment to the Section for the forthcoming year by whatever amount it deems proper.

SECTION 5. National Divisions consisting of superintendents, engineers, chemists, bacteriologists and accountants or other classes of persons included in the membership of the Association may be established by the Board on the request of thirty members. Any member of the Association may register in any National Division of the Association in which he is interested.

SECTION 6.

6.1. Expenses relating to the necessary operations of National Divisions will be certified for payment by the Secretary of the Association and paid by the Treasurer of the Association when the bills or statements covering such expenses have been approved for payment by the Chairman and Secretary of the Division and duly forwarded to the Association office.

6.2. Unless the Board, by prior action, approves a greater expenditure, the annual operating expenses of a National Division shall not exceed $100.

SECTION 7. Local Sections and National Divisions shall consist only of members of this Association in good standing. They shall elect their own officers and committees, and may adopt or amend By-Laws for their government not inconsistent with the Constitution and By-Laws of the Association, but these By-Laws or amendments must first be approved by the Board.

SECTION 8. Any Section or Division may be dissolved by the Board for reasons which it believes are good and sufficient.

(By-Laws)

ARTICLE VIII

Publications

All publications of the Association shall be issued under the direction of the Board and shall be copyrighted as far as is practicable and proper.

(By-Laws)

ARTICLE IX

Standing Committees

SECTION 1. *General Policy Committee*

1.1. The General Policy Committee shall consist of the President, the four preceding living Past-Presidents; and two members representing the Water and Sewage Works Manufacturers Association. The members of the Committee representing the Water and Sewage Works Manufacturers Association shall be nominated by that Association's Board of Governors subject to acceptance by the Board of Directors. The Chairman of the General Policy Committee shall be the immediate Past-President of the Association, who is, ex officio, a member of the Board (Constitution, Art. III, Sec. 2f.)

1.2. The General Policy Committee shall consider subjects referred to it by the Board, by the Executive Committee of the Board, or by the President; which subjects have to do with general or long-term policies of the Association.

1.3. The recommendations or statements of policy formulated by the General Policy Committee upon any question referred to it, shall be reported to the Board for consideration and further action.

SECTION 2. *Committee on Water Works Practice*

2.1. A Committee on Water Works Practice shall be appointed by the Board at the annual convention. It shall consist of at least five members, at large, and its Chairman shall be ex-officio a member of the Board.

2.2. Any resolution, report or publication which undertakes to establish in the name of the Association, its Sections or its Divisions, technical standards, manuals of technical practice or recommended technical procedures, shall be submitted to this Committee, and it shall direct all such matters on behalf of the Association.

2.3. It shall appoint such Subcommittees as it may deem necessary to carry on its work properly. It shall submit to the Board, subject to approval, recommendations concerning the organization of new subcommittees. These recommendations shall include a description of the project contemplated and a statement of the scope of the assignment to the proposed subcommittee.

2.4. Technical Standards, manuals of technical practice or recommended technical procedures, when developed and approved by a subcommittee, shall be submitted to the Committee on Water Works Practice for its approval. When approved by the Committee on Water Works Practice, such documents shall be submitted to the Board of Directors for its approval. When such documents have been approved by the board, they shall be published and distributed to the members of the Association.

2.5. The official Standardization Procedure of the A.W.W.A. shall govern the routine operations and acts of the Committee on Water Works Practice.

SECTION 3. *Committee on Water Works Administration*

3.1. A Committee on Water Works Administration shall be appointed by the Board at the annual convention. It shall consist of at least five members, at large, and its Chairman shall be ex-officio a member of the Board.

3.2. Any resolution, report or publication which undertakes to establish in the name of the Association, its Sections or its Divisions, professional or administrative standards, administrative practice manuals or recommended administrative procedures, shall be submitted to this Committee, and it shall direct all such matters on behalf of the Association.

3.3. It shall appoint such Subcommittees as it may deem necessary to carry on its work properly. It shall submit to the Board, subject to approval, recommendations concerning the organization of new subcommittees. These recommendations shall include a description of the project contemplated and a statement of the scope of the assignment to the proposed subcommittee.

3.4. Professional or administrative standards, administrative practice manuals, or recommended administrative procedures, when developed and approved by a subcommittee, shall be sub-

mitted to the Committee on Water Works Administration for its approval. When approved by the Committee on Water Works Administration such documents shall be submitted to the Board of Directors for its approval. When such documents have been approved by the Board, they shall be published and distributed to the members of the Association.

3.5. Insofar as the terms are applicable, the activities of the Committee on Water Works Administration and its subcommittees shall be governed by the Standardization Procedure of the A.W.W.A.

SECTION 4. *Publication Committee*

4.1. A Publication Committee shall be appointed by the Board at the annual convention of the Association. It shall consist of at least five members at large, and its Chairman shall be ex-officio a member of the Board.

4.2. It shall act in an advisory capacity to the Secretary-Editor of the Association in establishing policies related to papers scheduled for presentation at general conventions of the Association or Sections thereof. It shall assist the Secretary in the preparation of the programs for the annual convention of the Association.

4.3. The Committee shall prepare rules which shall govern the preparation, presentation, acceptance and publication of all papers and such other matters of a similar nature as the best interests of the Association may require.

SECTION 5. The Board may at its discretion appoint such other committees as it deems necessary to carry on the work of the Association.

(By-Laws)

ARTICLE X

Amendments

SECTION 1. The Board of Directors may amend these By-Laws in any manner not inconsistent with the Constitution by a two-thirds vote of those voting at any meeting of the Board or by sealed letter ballot, providing that a copy of such proposed amendment has been mailed by the Secretary to each member of the Board at least thirty days prior to such meeting or letter ballot.

LOCAL SECTION POLICIES

Section Expressions on Matters of Public Policy

A resolution adopted by the Board of Directors on July 25, 1947

Sections of the Association desiring to express themselves upon matters of public policy, either by a vote of the members in a regular meeting, or by a vote of the Board of Trustees, or executive group of the Section between regular meetings of the Section, shall confine themselves to practices, policies or procedures within the geographic territory of the Section. If the Section wishes to have consideration given to any matter of public policy or procedure, having a regional, national or international interest beyond the territorial limit of the Section, this desire for consideration of or expression of opinion shall be routed through the Director representing the Section to the A.W.W.A. Board or Directors; the Board will thereupon give such consideration as it wishes to the subject and adopt whatever expression of Association viewpoint is fitting for the circumstances.

Statement of Policy Re Conduct of Section Meetings

Approved by the A.W.W.A. Board of Directors, January 1941
Paragraph 1 amended January 1945

1.1. The registration fees at Section meetings shall provide funds to cover all entertainment. Association funds shall be used for approved purposes only.

1.2. Registration fees at Section meetings may be uniform for all grades of members or may be upon a graduated basis designed to provide, through recorded channels, funds to cover the requirements of Section 1.1, provided that the maximum fee for such purpose shall not exceed $10 for any class of member.

1.3. Representatives of manufacturers who are not Associate members of the A.W.W.A. shall be charged a registration fee double that charged the representatives of manufacturers who are Associate members.

1.4. The Water and Sewage Works Manufacturers Association shall establish its own rulings as to exhibiting at Section meetings, except that no firm or person shall be allowed to exhibit at any convention or Section meeting unless he be an Associate member of the A.W.W.A.

NOTE: The following paragraph from the By-Laws of the Water and Sewage Works Manufacturers Association is appended for the information of A.W.W.A. members:

"Members may not exhibit at or *contribute* to the expense of conventions or meetings of superintendents or engineers or representatives of water works or of sewage works *not endorsed by the Board of Governors. No member shall contribute to or arrange special forms of entertainment at* any convention or meeting of water works or sewage works representatives. Any such entertainment shall be provided by the Association as such and any infraction of this ruling shall be cause of the suspension of the offending member or members."

American Water Works Association

STANDARDIZATION PROCEDURE

This procedure also governs in principle the activities of the Committee on Water Works Administration, which has been established since adoption of the Standardization Procedure by the A.W.W.A. Board of Directors.

1. General Policy

1.1. The Board of Directors, as the body of elected representatives of the Association's membership, is responsible for (1) approval of the initiation of all standardization activities by any group organized to act for the Association; and (2) approval of all specifications or related documents prepared by any committee of Association Members.

1.2. The Committee on Water Works Practice is organized under the terms of Article IX Section 2 of the By-Laws:

"*2.1.* A Committee on Water Works Practice shall be appointed by the Board at the annual convention. It shall consist of at least five members, at large, and its Chairman shall be ex-officio a member of the Board.

"*2.2.* Any resolution, report or publication which undertakes to establish in the name of the Association, or any of its Sections or Divisions, professional or technical standards, shall be submitted to this Committee, and it shall direct all such matters on behalf of the Association.

"*2.3.* It shall give notice by publication to the membership of all such proposed standards and report its approval or disapproval of such to the Board.

"*2.4.* It shall appoint such Subcommittees as it may deem necessary to carry on its work properly."

1.3. The Committee on Water Works Practice may organize subcommittees to develop specifications, recommended practice documents or manuals of procedure covering any phase of water supply activity. It shall periodically report to the Board of Directors the status of all subcommittee work. Specifications or manuals prepared by subcommittees and approved by the Committee on Water Works Practice shall be submitted to the Board of Directors for approval before they are published as Association documents.

1.4. Any organized Division of the Association may, in regular meeting, recommend the organization of committees to develop specifications, recommended practice documents or manuals related to the field of interest of the Division. Such recommendations, including a definition of the scope of the proposed activity, shall be approved by the Committee on Water Works Practice before work is initiated. The personnel of such committees shall be reported to the Committee on Water Works Practice and approved by it. Any organized Division of the Association shall have authority to organize committees for the conduct of Division routines and either to direct or co-ordinate research or to review existing practices within the field of interest of the Division.

Such committees as do not engage in the development of specifications, recommended practice documents, or manuals of procedure, shall not be subject to the jurisdiction of the Committee on Water Works Practice.

1.4.1. When a Divisional subcommittee has completed its study, its report shall be approved by the Division in regular session or by letter ballot of the Executive Committee of the Division before it is submitted to the Committee on Water Works Practice and to the Board of Directors for approval as an Association document.

1.5. The Secretary of the Association shall act as the Secretary of the Committee on Water Works Practice.

2. Definition of Terms

2.1. The term "Tentative Standard" shall be applied to those specifications, methods, and definitions that have been approved by the sponsoring committee and accepted by the Association in accordance with the procedure established therefor, for publication and use preliminary to adoption as standard, thus providing opportunity for suggestion and criticism.

2.2. The term "Standard" shall be applied collectively to standard specifications, standard methods, and standard definitions that have been approved by the sponsoring committee and adopted by the Board in accordance with the procedure established therefor.

2.3. The terms "Recommended Practice" or "Manual" shall be applied to procedures, processes and methods not ordinarily subject to contract between purchaser and manufacturer.

3. Procedure Governing the Adoption of Standards, Recommended Practice Documents or Manuals

3.1. The procedure governing the promulgation of standards shall be as follows:

3.1.1. Acceptance of tentative standards, tentative revisions of standards, and revisions of tentative standards, and withdrawal of standards, tentative standards, and tentative revisions of standards, shall be either by action of the Board of Directors as provided in Paragraphs 3.1.2 and 3.1.3 or of the Committee on Water Works Practice as provided in Paragraph 3.1.4. Adoption of Standards or related documents shall be either by action of the Board of Directors in regular meeting or by letter ballot.

3.1.2. An affirmative vote, amounting to two-thirds of the Board Members voting at a stated meeting, shall be required on all committee recommendations, except those involving immediate adoption of standards and immediate revision of standards. (For procedure on these exceptions see Paragraph 3.1.3.) These committee recommendations may be amended by an affirmative vote amounting to two-thirds of those voting, subject to approval of the revised recommendation by letter ballot of the committee. However, if the revised recommendation is rejected by the committee, the original committee recommendation shall be considered as approved by the Board and the proposed revision shall be referred to the committee for study and report at the next meeting of the Board. Committee recommendations submitted to the Board for approval

by letter ballot must obtain an affirmative vote of eight-tenths of the Board Members before their approval.

3.1.3. If immediate adoption as standard is recommended, either of a proposed new standard or of a revision of an existing standard, without the usual preliminary publication as tentative, a nine-tenths rather than a two-thirds affirmative vote of Board members present and voting shall be required. In this case no amendment during the meeting shall be permitted, except with unanimous consent.

3.1.4. Committee recommendations on acceptance of tentative standards, tentative revisions of standards, and revisions of tentative standards, and on withdrawal of standards, tentative standards, and tentative revisions of standards, may also be presented between annual meetings to the Committee on Water Works Practice for consideration and approval. The Committee on Water Works Practice shall determine whether the requirements of the Association relating to committee procedure have been met and whether the committee has reached a satisfactory consensus. During consideration of the recommendation of a standing committee, representatives of the committee may be present and participate in the discussion. If the Committee on Water Works Practice takes favorable action upon the recommendation, the document shall be submitted to the Board for its approval by letter ballot.

3.2. The requirements of Sec. 3.1 shall be applicable also in the establishment of recommended practice documents or manuals of procedure.

3.3. Reports, resolutions and recommendations pertaining to or involving the use, or proposed use, in a standard or tentative standard, of any device or process which forms the subject matter of any existing patent, copyright or trade-mark, shall first be submitted to the Committee on Water Works Practice, and shall be submitted to the Board of Directors only with the approval of the Committee on Water Works Practice.

3.4. All specifications, recommended practice documents and/or manuals of procedure shall (except as provided in 3.1.3) be termed tentative when first approved by the Board. They shall, if no modifications are proposed, be termed "standard" after a period of one year. The Board of Directors shall at its stated meetings take due note of the status of tentative standards and may by two-thirds affirmative vote suspend for a stated or an indefinite period the designation of any document as "standard."

3.5. For the duration of the war, the following emergency policy is approved:

3.5.1. A special subcommittee consisting of the Chairman and Vice-Chairman of the Committee on Water Works Practice and the Secretary is authorized to consider revisions, or modifications of existing specifications or preparation of new specifications to meet conditions set up by the war emergency.

3.5.2. When the content of the text has been agreed upon by the three members of the subcommittee, the material shall be submitted by letter-ballot to the Committee on Water Works Practice and to the Board of Directors.

3.5.3. A period of two weeks shall be allowed for the filing of objections to, or acceptance of, the specifications. If a consensus of opinion develops, the material shall be issued either as (1) tentative A.W.W.A. specifications, (2)

emergency specifications, or (3) an emergency wartime rider to existing specifications.

3.6. Standards or related documents prepared by joint or inter-association committees upon which the American Water Works Association has appointed a representative and for which the Association acts as co-sponsor, shall be approved by the Committee on Water Works Practice and by the Board of Directors in the manner stipulated for A.W.W.A. documents in 3.1, 3.2, 3.3 above.

3.7. Standards or related documents prepared by a committee of other associations to which committee the A.W.W.A. has been invited and to which it has appointed one or more representatives, shall not be subject to the approval routine of the A.W.W.A. Representatives upon such committees shall be appointed by the Committee on Water Works Practice and may be withdrawn from the activity at any time for cause satisfactory to the Chairman of the Committee on Water Works Practice. Such representatives shall report the activities and progress of their work to the Committee on Water Works Practice not less often than once each year. They may at any time refer to the Chairman and/or Secretary of the Committee on Water Works Practice for advice concerning, or assistance related to, the work of the committee to which they have been appointed.

Approved by the A.W.W.A. Board of Directors, May 10, 1946.

HONORARY AWARDS

Honorary Membership

Honorary Membership in the American Water Works Association is provided for in the By-Laws of the Association, Article I, Sections 1 and 2. The method of the election of Honorary Members is stated in the By-Laws, Article II, Section 1. The presentation of Honorary Memberships usually takes place during the Annual Convention of the Association. The present Honorary Members of the Association, with the year of their election to such membership, are as follows:

John Walter Ackerman	1941
Robert William Angus	1945
Moses Nelson Baker	1936
Edward Bartow	1936
John Robert Baylis	1946
George William Booth	1945
Thomas Brooks	1937
William Whitlock Brush	1937
George Cyrus Bunker	1943
Charles Baker Burdick	1944
James Morton Caird	1942
Willard Townshend Chevalier	1945
Edward Smith Cole	1943
John H. Cook	1947
Carleton Emerson Davis	1939
Wilfred Willis DeBerard	1942
Ross Leonard Dobbin	1937
George Harrison Fenkell	1940
Frank Eugene Hale	1944
Charles Potter Hoover	1948
Louis Richard Howson	1948
William Whitehead Hurlbut	1943
Charles Gilman Hyde	1939
Harry Edward Jordan	1939
Beekman Cox Little	1939
Daniel Webster Mead	1930
William John Orchard	1937
Malcolm Pirnie	1947
Edgar Gowar Ritchie	1946
William Edward Vest	1942
Thomas Hollis Wiggin	1944
Abel Wolman	1948

The John M. Diven Memorial Medal

The John M. Diven medal was established by the Association in 1925 in memory of John M. Diven, a water works superintendent of many years experience who served as the Association's President in 1892, Vice-President

1887–89, Treasurer 1890–91, 1903–13, Secretary 1890–91, 1903–23, and Editor 1914–16.

The award is made each year to the member who has rendered the most outstanding service to the Association during the year, as determined by a committee appointed to submit a report which is subject to ratification by the Board of Directors. The medal is a bronze plaque bearing the likeness of Mr. Diven.

George Warren Fuller	1926
Arthur Ellsworth Gorman	1927
Willard Samuel Cramer	1928
James Edwin Gibson	1929
Ross Leonard Dobbin	1930
Malcolm Pirnie	1931
William Whitlock Brush	1932
Samuel Brooks Morris	1933
Leonard Percy Wood	1934
Linn Harrison Enslow	1935
Harry Edward Jordan	1936
Abel Wolman	1937
William Curtis Mabee	1938
Hallett Francis Smith	1939
William Victor Weir	1940
William Whitehead Hurlbut	1941
Samuel Frank Newkirk Jr.	1942
Earl Devendorf	1943
Louis Richard Howson	1944
No Award	1945
James Clarke Harding	1946
Ellsworth Lincoln Filby	1947
Asbury Clinton Decker	1948

The John M. Goodell Prize

The John M. Goodell prize was established in 1931 under the terms of an endowment by *Engineering News-Record* and as a memorial to John M. Goodell, a former editor of *Engineering News-Record* and the editor of the Journal of the American Water Works Association, 1917–21.

The prize is awarded annually to the member who has made the most notable contribution to the science or practice of water works development, usually as recorded in the form of a paper published in the Association's Journal. The selection is made by a committee which is appointed for that purpose and which submits a report subject to ratification by the Board of Directors. The prize consists of an engraved certificate and the cash resulting from that year's income of the endowment, usually at least fifty dollars.

John Robert Baylis	1932
Charles Herbert Spaulding	1933
Willard Townshend Chevalier	1934

Frank Eugene Hale		1935
Mathew Michael Braidech		1936
Laurance Edward Goit	Jointly	1937
Harry Hayes		
Vance Christopher Lischer		1938
Albert George Fiedler	Jointly	1939
David Grosh Thompson		
Melvin Lorenius Enger	Jointly	1940
Thomas Hollis Wiggin		
Paul Weir		1941
Ray Freeman Goudey		1942
Wilfred Francis Langelier	Jointly	1943
Harvey Fred Ludwig		
Noel Stillwell Chamberlin	Jointly	1944
John Richard Glass		
Hans Victor Pedersen		1945
Carl Martin Riedel		1946
Louis Richard Howson		1947
Melvin Pross Hatcher		1948

The Nicholas S. Hill Jr. Cup

The Nicholas S. Hill Jr. Cup is an award which was established by Past-President Nicholas S. Hill Jr. during his term of office in 1915–16. It is awarded at each Annual Convention to that Local Section of the Association which has made the largest percentage gain in membership during the year.

Under the original terms of the award the cup was to become the permanent possession of the Section which first won it for three successive years. This was first accomplished by the Minnesota Section, but due to the unusual conditions then prevailing as a result of the war the Section returned the cup for continued competition. When the North Carolina Section won the cup for the third successive year in 1924 the Section returned it to the Association with the stipulation that no Section should again win it permanently. The names of the winning Sections are engraved upon the cup.

Canadian Section	1916
Minnesota Section	1917–'18–'19
Canadian Section	1920
Central States Section	1921
North Carolina Section	1922–'23–'24
California Section	1925–'26
Florida Section	1927–'28
Pacific Northwest Section	1929
Southeastern Section	1930
Pacific Northwest Section	1931
California Section	1932
Montana Section	1933
Canadian Section	1934
Virginia Section	1935
Rocky Mountain Section	1936

Indiana Section	1937
Michigan Section	1938
West Virginia Section	1939
Southwest Section	1940
Pacific Northwest Section	1941
North Carolina Section	1942
Florida Section	1943
Missouri Valley Section	1944
Southwest Section	1945
Kansas Section	1946
Florida Section	1947

The Franklin Henshaw Cup

The award of the Franklin Henshaw Cup was established in 1934 as the result of a gift to the Association by Franklin Henshaw. At each Annual Convention this cup is awarded, for one year, to that Local Section which has held the best attended meeting during the year past. The best attended meeting is defined as that meeting at which the largest percentage of the Section's members are present.

Montana Section	1935
Montana Section	1936
Indiana Section	1937
Pacific Northwest Section	1938
North Carolina Section	1939
Wisconsin Section	1940
Pacific Northwest Section	1941
Minnesota Section	1942
Minnesota Section	1943
No Award	1944
Wisconsin Section	1945
Cuban Section	1946
Ohio Section	1947

The Old Oaken Bucket

The Old Oaken Bucket is a symbolic award which was established in 1939. It is awarded at each annual convention to that Section of the Association which has the largest membership. The trophy is a veritable antique from an old New England farmstead and is particularly appropriate as a water works trophy because of its rarity.

California Section	1939–1947

The George Warren Fuller Memorial Awards

These awards were established in 1937, and are given each year to members of the Association, designated by the Sections, for their distinguished service in the water supply field and in commemoration of the sound engineering skill,

the brilliant diplomatic talent, and the constructive leadership of men in the Association which characterized the life of George Warren Fuller—one of America's most eminent engineers.

Each section, each year, *may* designate one of its members to receive a Fuller Award. Such designation is presumed to recognize publicly the contribution toward advancement of water works practice the individual has made within the particular Section selecting him for the award. If two members have joined in a common project which the Section wishes to recognize, both participants may be jointly designated for the award.

These awards are in the form of an engraved certificate signed by the President and Secretary of the Association.

In 1942 the Fuller Awardees formed the "George Warren Fuller Award Society" which gathers each year in a breakfast meeting during the annual convention. The first chairman of this group was Wendell R. LaDue. The present chairman is Paul Weir, and the secretary is Rollo K. Blanchard. A list of recipients of the George Warren Fuller Memorial Award follows:

1938

Name	*Section*
Albert Edward Berry	Canadian
Charles Matthias Roos	Illinois
William Curtis Mabee	Indiana
Ledereich Stuart Vance	Kentucky-Tennessee
Claude Wesley Eyer	Montana
Charles Herbert Capen	New Jersey
Edward Arnold Sterns	New York
Willibald Alphons Kunigk	Pacific Northwest
Guy Haywood White	Southeastern

1939

Gerald Eugene Arnold	California
Abraham Martin Bowman	Canadian
Edward Carey Trax	Central States
Alvin Percy Black	Florida
James Wadsworth Armstrong	Four States
John Robert Baylis	Illinois
*Howard Albert Dill	Indiana
Hallett Francis Smith	Michigan
John William Pray	Missouri Valley
Frederick Elisha Brandis	Montana
William George Banks	New Jersey
Elon Powell Stewart	New York
Wendell Richard LaDue and *Willard Charles Lawrence	Ohio
*Alexander Lindsay	Pacific Northwest
Dana Ewart Kepner	Rocky Mountain
*Albert Andrew Passolt	Southeastern
Leon Albert Smith	Wisconsin

1940

Raymond Freeman Goudey	California
Theodore Joseph Lafreniere	Canadian
Carl Adam Hechmer	Four States
Charles Herbert Spaulding	Illinois
*Frank Carver Jordan	Indiana
Howard Dean Schmidt	Kentucky-Tennessee
Laurence George Lenhardt	Michigan
August Vincent Graf	Missouri Valley
*Lincoln Van Gilder	New Jersey
Charles Raymond Cox	New York
Herman Glenn Baity	North Carolina
Thomas Ridgway Lathrop	Ohio
Ben Stogden Morrow	Pacific Northwest
Benjamin Varnum Howe	Rocky Mountain
Paul Weir	Southeastern
Leroy Henry Scott	Southwest
Marsden Churchill Smith	Virginia
Perkins Boynton	West Virginia
Louis Frederick Warrick	Wisconsin

1941

William Whitehead Hurlbut	California
Walter Moffat Scott	Canadian
Ralph Whitney Reynolds	Florida
Ivan Maxwell Glace	Four States
Frank Clifford Amsbary Jr.	Illinois
John Powers Brownstead	Kentucky-Tennessee
Walter Leroy Mallmann	Michigan
*Felix Seligman	Minnesota
William Merriam Cobleigh	Montana
David Leonard Erickson	Missouri Valley
George Riddell Spalding	New Jersey
Robert Gordon Yaxley	New York
Michael Frank Hoffman	Ohio
William Parker Hughes	Pacific Northwest
*James Edwin Gibson	Southeastern
Victor Marcus Ehlers	Southwest
Chester Francis Drake	Western Pennsylvania
John Bert Harrington	West Virginia
Arthur Peter Kuranz	Wisconsin

1942

Charles Gilman Hyde	California
Robert William Angus	Canadian
William Benjamin Gibson	Florida
Carl John Lauter	Four States
Herbert Edson Hudson Jr.	Illinois
Blucher Adams Poole	Indiana
Robert Paul Farrell	Kentucky-Tennessee

Roberts Hulbert / Douglas Feben	Michigan
Ronald M. Finch	Minnesota
*William Theodore Bailey	Missouri Valley
Herbert Branch Foote	Montana
Joseph Arthur Carr	New Jersey
Rollo Kimball Blanchard	New York
William Christian Olsen	North Carolina
Hayes Robinson Kuhns	Ohio
Milton Hunt McGuire	Pacific Northwest
Oliver Jesse Ripple	Rocky Mountain
William Davis Moore	Southeastern
Edward Ray Stapley	Southwest
Dayton Rice Taylor	Virginia
*James Smith Dunwoody	Western Pennsylvania
Thomas Lee Young	West Virginia
Walter Anderson Peirce	Wisconsin

1943

Carl McKee Hoskinson	California
Norman Joseph Howard	Canadian
John Robertson Hoy	Florida
*Seth Morton Van Loan	Four States
Louis Richard Howson	Illinois
*Cecil Kirk Calvert	Indiana
Claude Manley McCord	Kentucky-Tennessee
Edward Dunbar Rich	Michigan
Arthur Franklin Mellen	Minnesota
William Victor Weir	Missouri Valley
Eugene Carroll	Montana
Samuel Frank Newkirk Jr.	New Jersey
Earl Devendorf	New York
Walter McKinney Franklin	North Carolina
Charles Potter Hoover	Ohio
Charles Clifford Casad	Pacific Northwest
*Delbert Pinkney Porter / Leonard Oliver Williams Jr.	Rocky Mountain
Borden Prather Rice	Southeastern
Egmont Schermerhorn Smith	Southwest
Eugene Frank Dugger	Virginia
Myron Gorton Mansfield	Western Pennsylvania
Mentor Hetzer	West Virginia
William Urnn Gallaher	Wisconsin

1944

George Wesley Pracy	California
William Storrie	Canadian
Frederic Arnold Eidsness	Florida
Levi Larndon Hedgepeth	Four States
Winfred Dean Gerber	Illinois

Edward Francis Kinney.....Indiana
Louis Benjamin Harrison.....Michigan
*Daniel Howard Rupp.....Missouri Valley
David Shon Thomas.....Montana
Attmore Edwin Griffin.....New Jersey
Ernest John Rowe.....New York
William McKinney Piatt.....North Carolina
Philip Burgess.....Ohio
Fred Merryfield.....Pacific Northwest
Dwight David Gross.....Rocky Mountain
Fletcher King Ellis.....Southeastern
Leslie Allerton Jackson.....Southwest
Robert Cousins Bardwell.....Virginia
John Needels Chester.....Western Pennsylvania
Herbert Henry Brown }
Joseph Philip Schwada } .....Wisconsin

1945

George Charles Sopp.....California
Charles Jules Des Baillets.....Canadian
Keith Roderick Chinn.....Florida
Gustav Jaeger Requardt.....Four States
Otto Ellsworth Brownell.....Minnesota
Earle Lytton Waterman.....Missouri Valley
Percy Suydam Wilson.....New Jersey
Chester Arnold Truman.....Rocky Mountain
Thomas Lampkin Amiss.....Southwest
Richard Messer.....Virginia
Harry Kenneth Gidley.....West Virginia
Charles Louis Fox.....Western Pennsylvania

1946

Ernest Albert Cleveland.....Canadian
Henry H. Hyman.....Florida
Harry Lloyd Nelson.....Four States
Adolph Emil Anderson.....Illinois
Joseph Leo Quinn Jr.....Indiana
Raymond Johns Faust.....Michigan
William Donald Hurst.....Minnesota
Otto S. Reynolds.....Missouri Valley
John Leonard Radcliffe.....New Jersey
James Wilford Kellogg.....North Carolina
Walter Jacob Moore.....Pacific Northwest
Henry Griffith Watson.....Rocky Mountain
Robert Wolcott Harding.....Southwest
Charles Lucian Crockett.....Virginia
Daniel Elias Davis.....Western Pennsylvania
Max K. Jones.....West Virginia

1947

Chester Gordon Gillespie	California
MacHarvey McCrady	Canadian
Juan Antonio Coscullueela	Cuban
Claude Franklin Wertz	Florida
Sheppard Tappen Powell	Four States
Clifford Henry Fore	Illinois
Leo Louis Jr.	Indiana
William Leslie Harris	Michigan
Harry Nelson Lendall	New Jersey
John Gilbert Copley	New York
M'Kean Maffitt	North Carolina
Lorin John Hoffman	Ohio
Gustave Bernhart Schunke	Pacific Northwest
William Vernon Leonard	Rocky Mountain
Francis Worthington Chapman	Southeastern
Winfield Scott Mahlie	Southwest
Robert Warner Fitzgerald	Virginia
John Chubbuck Edwards	West Virginia
Charles Henry Young	Western Pennsylvania
James Walden Myers Jr.	Wisconsin

1948

Alden Williams Miller	Arizona
Loren Ellsworth Blakeley	California
Edward Victor Buchanan	Canadian
Jose Garcia Montes	Cuban
George Ernest Ferguson	Florida
Leon Small	Four States
Hans Victor Pedersen	Iowa
Harry Wheeler Badley	Kansas
Ernest Elmer Jacobson	Kentucky-Tennessee
John Anthony Keils	Michigan
Thomas Julian Skinker	Missouri
Malcolm Wade Plummer	Montana
Howard Thompson Critchlow	New Jersey
John M. Diven	New York
John Raymond Purser Jr.	North Carolina
Paul Dana Cook	Ohio
George Joseph Turre	Rocky Mountain
William Hugh Weir	Southeastern
Albert Herman Ullrich	Southwest
Charles Edward Moore	Virginia
Arthur Robert Todd	West Virginia
Jerome Crosby Zufelt	Wisconsin

* Deceased.

CONVENTIONS AND PAST PRESIDENTS

The President's term of office ends on the last day of the convention.

1	St. Louis, Mo.	March	29–31, 1881	*John T. Foster
2	Columbus, Ohio	March	14–16, 1882	*John T. Foster
3	Buffalo, N. Y.	May	15–17, 1883	*John T. Foster
4	Cincinnati, Ohio	April	15–17, 1884	*John G. Briggs
5	Boston, Mass.	April	21–23, 1885	*L. H. Gardner
6	Denver, Colo.	June	23–25, 1886	*Peter Milne Jr.
7	Minneapolis, Minn.	July	13–15, 1887	*B. F. Jones
8	Cleveland, Ohio	April	17–19 1888	*J. T. Fanning
9	Louisville, Ky.	April	16–18, 1889	*A. N. Denman
10	Chicago, Ill.	May	20–24, 1890	*John H. Decker
11	Philadelphia, Pa.	May	14–17, 1891	*William Benedict Bull
12	New York, N. Y.	May	17–19, 1892	*John M. Diven
13	Milwaukee, Wis.	Sept.	5–9, 1893	*G. H. Benzenberg
14	Minneapolis, Minn.	Aug.	21–23, 1894	*James Peter Donahue
15	Atlanta, Ga.	May	28–30, 1895	*William Ryle
16	Indianapolis, Ind.	May	26–28, 1896	*William G. Richards
17	Denver, Colo.	June	8–10, 1897	*F. A. W. Davis
18	Buffalo, N. Y.	June	14–18, 1898	*John Caulfield
19	Columbus, Ohio	May	16–19, 1899	*Joseph A. Bond
20	Richmond, Va.	May	15–18, 1900	*R. M. Clayton
21	New York, N. Y.	June	17–22, 1901	*Charles E. Bolling
22	Chicago, Ill.	June	10–13, 1902	*William R. Hill
23	Detroit, Mich.	June	23–26, 1903	*Charles H. Campbell
24	St. Louis, Mo.	June	6–11, 1904	*L. N. Case
25	West Baden, Ind.	May	9–12, 1905	*Morris R. Sherrerd
26	Boston, Mass.	June	26–30, 1906	*Benjamin C. Adkins
27	Toronto, Ont.	June	17–21, 1907	*Dabney H. Maury
28	Washington, D. C.	May	11–16, 1908	*George H. Felix
29	Milwaukee, Wis.	June	7–12, 1909	*D. W. French
30	New Orleans, La.	April	25–29, 1910	*William Pitt Mason
31	Rochester, N. Y.	June	5–10, 1911	*John Watson Alvord
32	Louisville, Ky.	June	3–7, 1912	*Alexander Milne
33	Minneapolis, Minn.	June	23–27, 1913	*Dow R. Gwinn
34	Philadelphia, Pa.	May	11–15, 1914	*Robert J. Thomas
35	Cincinnati, Ohio	May	10–14, 1915	*George Goodell Earl
36	New York, N. Y.	June	5–9, 1916	*Nicholas Snowden Hill Jr.
37	Richmond, Va.	May	7–11, 1917	*Leonard Metcalf
38	St. Louis, Mo.	May	13–17, 1918	*Theodore A. Leisen
39	Buffalo, N. Y.	June	9–13, 1919	*Charles R. Henderson
40	Montreal, Que.	June	21–25, 1920	Carleton E. Davis
41	Cleveland, Ohio	June	6–10, 1921	Beekman C. Little
42	Philadelphia, Pa.	May	15–19, 1922	Edward Bartow
43	Detroit, Mich.	June	21–25, 1923	*Willard S. Cramer
44	New York, N. Y.	May	19–23, 1924	*George W. Fuller

45	Louisville, Ky.	Apr. 27–May 1,	1925	*Frank C. Jordan
46	Buffalo, N. Y.	June 7–11,	1926	*Harry F. Huy
47	Chicago, Ill.	June 6–11,	1927	*Allan W. Cuddeback
48	San Francisco, Calif.	June 11–15,	1928	*James E. Gibson
49	Toronto, Ont.	June 24–28,	1929	William W. Brush
50	St. Louis, Mo.	June 2–6,	1930	Jack J. Hinman Jr.
51	Pittsburgh, Pa.	May 25–29,	1931	George H. Fenkell
52	Memphis, Tenn.	May 2–6,	1932	Ross L. Dobbin
53	Chicago, Ill.	June 12–16,	1933	George W. Pracy
54	New York, N. Y.	June 4–8,	1934	Malcolm Pirnie
55	Cincinnati, Ohio	May 6–10,	1935	Harry E. Jordan
56	Los Angeles, Calif.	June 8–12,	1936	*Frank A. Barbour
57	Buffalo, N. Y.	June 7–11,	1937	William W. Hurlbut
58	New Orleans, La.	April 24–28,	1938	Eugene F. Dugger
59	Atlantic City, N. J.	June 11–15,	1939	Reeves Newsom
60	Kansas City, Mo.	April 21–25,	1940	J. Arthur Jensen
61	Toronto, Ont.	June 22–26,	1941	Norman J. Howard
62	Chicago, Ill.	June 21–25,	1942	Louis R. Howson
63	Cleveland, Ohio	June 15–18,	1943	Abel Wolman
64	Milwaukee, Wis.	June 13–16,	1944	Samuel B. Morris
65	*No Convention*	— —	1945	Samuel F. Newkirk Jr.
66	St. Louis, Mo.	May 6–10,	1946	Leonard N. Thompson
67	San Francisco, Calif.	July 21–25,	1947	Wendell R. LaDue
68	Atlantic City, N. J.	May 3–7,	1948	N. T. Veatch

* Deceased.

Directory of Committees

As of August 1, 1948

Committees listed below are those which have been appointed for the calendar year 1948 or the Association year 1948–49

General Committees

EXECUTIVE COMMITTEE OF THE DIRECTORS

L. H. Enslow, *Chairman*
W. W. Brush
L. R. Howson
M. G. Mansfield
W. J. Orchard

GENERAL POLICY COMMITTEE

This is a standing committee charged with the duty of formulating basic policies of the Association with regard to the field and extent of its activities; the development and activities of Local Sections; and a number of other broadly related and fundamental subjects. The recommendations of the General Policy Committee are subject to confirmation by the Board of Directors before they become statements of Association policy.

Representatives of A.W.W.A.
N. T. Veatch, *Chairman*
W. R. LaDue
L. N. Thompson
S. F. Newkirk Jr.
L. H. Enslow

Representatives of W. & S.W.M.A.
W. J. Orchard
H. F. O'Brien

FINANCE COMMITTEE

This committee advises the Treasurer and Secretary in the conduct of the financial affairs of the Association.

W. W. Brush, *Chairman* (*Ex Officio*)
C. J. Alfke
Reeves Newsom
W. J. Orchard
H. E. Jordan (*Ex Officio*)

PUBLICATION COMMITTEE

This committee is made up of two subcommittees: (1) a "Review Committee" which acts, when called upon, and generally individually, in an advisory capacity to the Secretary and Editor of the Association in appraising papers being considered for publication in the Journal; and (2) a "Program Committee" which assists the Chairman of the Committee and the Secretary of the Association in preparing the program for the Annual Convention.

C. H. Capen Jr., *Chairman*
H. E. Jordan (*Ex Officio*)
L. H. Enslow (*Ex Officio*)

Review Committee

S. S. Anthony
L. G. Carlton
E. S. Chase
C. R. Cox
R. L. Derby
H. A. Faber
Weston Gavett
M. P. Hatcher
L. R. Howson
W. R. LaDue
V. C. Lischer
E. E. Norman
H. A. Price
L. N. Thompson
Paul Weir
W. V. Weir

Program Committee

A. E. Berry
W. W. Brush
E. J. Buttenheim
M. P. Crabill
W. W. DeBerard
J. F. Dye
L. H. Enslow
G. E. Ferguson
H. R. Frye
I. M. Glace
M. P. Hatcher
J. L. Hawkins
L. J. Hoffman
J. E. Kerslake
R. M. Leggette
J. C. Moomau
S. B. Morris
W. C. Morse
C. G. Paulsen
Malcolm Pirnie
J. A. Snow
V. A. Somers
Paul Stegeman
C. E. Williams

CONSTITUTION AND BY-LAWS COMMITTEE

This committee considers and makes recommendations concerning desired amendments to the Constitution or By-Laws of the Association. It also passes upon all new By-Laws, or amendments to the By-Laws, of Divisions and Sections of the Association.

R. L. Dobbin, *Chairman*
T. L. Amiss
G. E. Arnold
W. W. Brush
H. E. Jordan

HONORARY MEMBERSHIP COMMITTEE

This is a committee of the Directors. It makes recommendations for election to Honorary Membership in the Association. It usually is made up of the President and the last two Past-Presidents.

L. H. Enslow, *Chairman*
N. T. Veatch
W. R. LaDue

THE JOHN M. DIVEN MEMORIAL MEDAL COMMITTEE

This committee makes recommendations to the Directors concerning the award of the Diven medal. It consists of the chairmen of the Water Works Practice and Publication Committees and the Past-Chairman of each of the three Divisions.

L. R. Howson, *Chairman*
W. R. LaDue
L. A. Jackson
C. R. Cox
M. P. Hatcher

THE JOHN M. GOODELL PRIZE COMMITTEE

This committee makes recommendations to the Directors concerning the award of the Goodell prize. Each member serves three years.

J. J. Woltmann ('49), *Chairman*
H. B. Shaw ('50)
D. L. Erickson ('51)
C. H. Capen (*Ex Officio*)

CONVENTION PLACE COMMITTEE

This committee makes recommendations to the Directors concerning the location and date of the Association's annual meetings.

Representatives of A.W.W.A.
L. N. Thompson, *Chairman*
W. R. LaDue
N. T. Veatch
H. E. Jordan (*Ex Officio*)

Representatives of W. & S.W.M.A.
W. F. Rockwell
D. J. Saunders
W. C. Sherwood

CONVENTION MANAGEMENT COMMITTEE

This committee is in charge of all details of the management of the Association's annual meeting except the program and the choice of location and date.

Representatives of A.W.W.A.
W. J. Orchard, *Chairman*
W. W. DeBerard
H. R. Frye

Representatives of W. & S.W.M.A.
C. N. Brown
E. E. Alt

Ex Officio
L. H. Enslow, *Pres., A.W.W.A.*
H. E. Jordan, *Secy., A.W.W.A.*
C. H. Capen, *Chr., Publ. Com., A.W.W.A.*
W. F. Rockwell, *Pres., W. & S.W.W.A.*
A. T. Clark, *Secy., W. & S.W.M.A.*

COMMITTEE ON NATIONAL WATER POLICY

This committee is charged with the duty of observing the plans and actions of the Federal Government and its allied groups and of representing the Association in any actions on subjects being considered by them.

Abel Wolman, *Chairman*
A. P. Black
E. S. Chase
S. B. Morris
N. T. Veatch
W. V. Weir

Water Works Administration Committees

COMMITTEE ON WATER WORKS ADMINISTRATION

The Committee on Water Works Administration is in responsible charge and control of all activities of the Association relating to water works professional or administrative standards, practice manuals or procedures. Article IX, Section 3, of the By-Laws states: "3.2. Any resolution, report or publication which undertakes to establish in the name of the Association, its Sections or its Divisions, professional or administrative standards, administrative

practice manuals or recommended administrative procedures, shall be submitted to this Committee, and it shall direct all such matters on behalf of the Association. 3.3. It shall appoint such subcommittees as it may deem necessary to carry on its work properly. It shall submit to the Board, subject to approval, recommendations concerning the organization of new subcommittees. These recommendations shall include a description of the project contemplated and a statement of the scope of the assignment to the proposed subcommittee. 3.4. Professional or administrative standards, administrative practice manuals, or recommended administrative procedures, when developed and approved by a subcommittee, shall be submitted to the Committee on Water Works Administration for its approval. When approved by the Committee on Water Works Administration, such documents shall be submitted to the Board of Directors for its approval. When such documents have been approved by the Board, they shall be published and distributed to the members of the Association."

W. R. LaDue, *Chairman*
F. C. Amsbary
C. J. Alfke
M. B. Cunningham
E. F. Dugger
L. S. Finch
M. P. Hatcher
A. P. Kuranz
D. L. Maffitt
L. A. Smith
L. N. Thompson
L. S. Vance
W. V. Weir

There follows the list of projects which have been authorized and the subcommittees which have been organized to carry on the activities under the direction of the Committee on Water Works Administration.

Committee A1—Organization and Administrative Policy

W. V. Weir, *General Chairman*

Committee A1.A—Municipal Water Works Organization

This committee is charged with the duty of studying existing state and province laws and municipal ordinances, and formulating principles relating to types of municipal water works organizations.

L. S. Vance, *Chairman*
D. L. Erickson
J. C. Keith
J. S. Longwell
C. E. Moore

Committee A1.B—Radio and Mobile Communication Facilities for Water Works

This committee is charged with the study and use of radio and mobile communication facilities available for water works, together with the collection of data on the use of radio in the water works field. The committee cooperates with the National Committee for Utilities Radio listed on page 277.

M. B. Cunningham, *Chairman*
A. Damiano
F. E. Dolson
C. A. Hechmer
H. E. Jordan (*Ex Officio*)

Committee A1.C—Water Use in Air Conditioning

This committee is charged with the study of the problems arising from the use of water in air conditioning and to recommend policies as they affect water works (and sewerage) facilities.

F. C. Amsbary, *Chairman*
E. L. Bean
T. H. Kain
M. C. Smith

Committee A1.D—Water Use in Fire Prevention and Protection

This committee is charged with:

1. The promotion of an understanding on the part of water works men, as well as on the part of the public, of the effect that fire protection facilities have upon the total amount of capital invested in public water supply projects.

2. Encouragement of the development of rational water rate structures which take into account the amount which should accrue in payment for fire protection.

3. The development of an understanding of a reasonable basis of charges for private fire protection and defense against unreasonable attacks upon these charges.

C. J. Alfke, *Adviser*

Committee A1.E—Construction, Equipment and Material Contracts

The function of this committee will be to review and study standard forms for contracts for construction, equipment and material used in the water works field. The committee is not yet activated.

Committee A2—Public and Worker Relationships

D. L. Maffitt, *General Chairman*

Committee A2.A—Public Relations

This committee is charged with: (1) considering and proposing to the Board of Directors activities on behalf of the Association in the field of public relations; (2) the production of guidance material in the field of public relations; and (3) the review of material which is in process of production by the Association.

E. F. Dugger, *Chairman*
G. E. Arnold
E. L. Filby
Paul Weir
W. V. Weir

Committee A2.B—Management Relations

The function of this committee will be to collect data and formulate basic principles of good management relationships involving the employee, the customer and the utility. The committee is not yet activated.

Committee A2.C—Compensation of Water Works Personnel

This committee is charged with the gathering of comparative material and data and the formulating of a general schedule of compensation for water works personnel and management.

L. A. Smith, *Chairman*
C. J. Alfke
G. E. Arnold
C. C. Casad
E. S. Chase
A. R. Davis
D. D. Gross
W. D. Hurst
J. S. Longwell
H. F. Smith
Paul Weir

Committee A2.D—Pension and Retirement Plans

This committee is charged with the duty of collecting information upon, and promoting the adoption of, pension and retirement plans in the public water works industry.

D. L. MAFFITT, *Chairman*
R. W. ESTY
L. E. GOIT
M. P. HATCHER
A. P. KURANZ
WADE PLUMMER
L. A. SMITH

Committee A3—Financing

E. F. DUGGER, *General Chairman*

Committee A3.A—Taxation and Fund Diversion

The function of this committee will be the assembly and study of data on the taxation of water works systems and the diversion of funds from the water works utility to other activities; and the formulation and distribution of basic principles of good management regarding these factors. The committee is not yet activated.

Committee A3.B—Valuation and Depreciation

The functions of this committee include the consideration of the Reports on Depreciation of the National Association of Railroad and Utilities Commissioners. Committee progress report submitted April 27, 1944. Work of this character may be re-activated.

Committee A3.C—Cost Trends

The function of this committee will be the study of problems evolving from changing costs and price ranges. The committee is not yet activated.

Committee A3.D—Water Main Extension Policy

This committee is charged with the study of the problems involved in the extension of water mains, both within and without the corporation limits, including a digest of enabling legislation.

L. S. FINCH, *Chairman*
R. B. FREEMAN
E. F. DANDRIDGE
M. P. HATCHER
C. M. HOSKINSON

Committee A4—Accounting and Statistics

A. P. KURANZ, *General Chairman*

Committee A4.A—Water Department Reports

This committee is charged with the review of existing annual reports of water works organizations and the making of recommendations as to content and style of annual reports.

M. P. HATCHER, *Chairman*
H. H. BROWN
ALFRED ECKERT
R. W. ESTY
L. R. HOWSON
L. S. VANCE

Committee A4.B—Water Rate Schedules

The function of this committee will be to assemble data and develop a technic of handling statistics in order to develop a rate schedule which will distribute equitably the burden of managing and operating a water works utility. The committee is not yet activated.

Committee A4.C—Joint Administration of Water and Sewer Facilities

This committee is charged with the collection of information and data concerning joint administration of water and sewer facilities and recommending procedures or methods, including necessary legislation.

L. N. Thompson, *Chairman*
W. F. Tempest, *Secretary*
S. S. Anthony
A. E. Berry
Earl Devendorf
Leo Flotron
H. F. Gray
S. A. Greeley
A. E. Hintz Jr.
L. G. Lenhardt
B. S. Morrow
J. W. Pray
H. B. Shaw
E. J. Umbenhauer
D. M. Williams

Committee A4.D—Water Consumption

The function of this committee will be to assemble and study data on water consumption for the purpose of assisting in planning, designing and operating the various facilities of a water works system. The committee is not yet activated.

Water Works Practice Committees

COMMITTEE ON WATER WORKS PRACTICE

The Committee on Water Works Practice is in responsible charge and control of all activities of the Association in the field of engineering standards and procedures. Article IX, Section 2, of the By-Laws states:

> 2.2 Any resolution, report or publication which undertakes to establish in the name of the Association, its Sections or its Divisions, technical standards, manual of technical practice or recommended technical procedures, shall be submitted to this Committee, and it shall direct all such matters on behalf of the Association.
>
> 2.3 It shall appoint such subcommittees as it may deem necessary to carry on its work properly. It shall submit to the Board, subject to approval, recommendations concerning the organization of new subcommittees. These recommendations shall include a description of the project contemplated and a statement of the scope of the assignment to the proposed subcommittee.
>
> 2.4 Technical standards, manuals of technical practice or recommended technical procedures, when developed and approved by a subcommittee, shall be submitted to the Committee on Water Works Practice for its approval. When approved by the Committee on Water Works Practice, such documents shall be submitted to the Board of Directors for its approval. When such documents have been approved by the board, they shall be published and distributed to the members of the Association.
>
> 2.5 The official Standardization Procedure of the A.W.W.A. shall govern the routine operations and acts of the Committee on Water Works Practice.

L. R. Howson, *Chairman*
E. S. Chase
W. W. DeBerard
R. L. Dobbin
D. L. Erickson
A. E. Gorman
R. C. Kennedy
J. E. Kerslake (*Ex Officio*)
Reeves Newsom, *Vice-Chairman*
H. F. O'Brien
H. A. Price
William Storrie
N. T. Veatch
W. H. Weir
Abel Wolman

There follows the list of projects which have been authorized and the Subcommittees which have been organized to carry on the activities under the direction of the Committee on Water Works Practice.

If the title of the project is not followed by one or a series of names, no work has been undertaken. If a single name follows the title, that one person is an *adviser* upon the subject. Fully organized committees are indicated by listed personnel and description of the work in hand.

Committee E2—Surface Water Allocation

Abel Wolman, *Adviser*

Committee E3—Watershed Protection and Maintenance

The function of this committee is to assemble data concerning the maintenance and control of public water supply watersheds and impounding reservoir areas, particularly as related to the (1) engineering and financial value of forestation; (2) control of soil erosion both in normal rainfall and semi-arid areas; and (3) extent and control of use of watershed and reservoir areas by the public.

Earnest Boyce, *General Chairman*

E. E. Minor, *Chairman,* Subcommittee on Forestation

Charles Carpenter
L. T. Fawcett
B. S. Morrow
R. M. Roper
R. B. Simms
E. N. Munns, *Adviser*

J. S. Longwell, *Chairman,* Subcommittee on Erosion Control

M. B. Cunningham
B. S. Grant
E. M. Grime
D. E. Kepner
Paul Weir
C. B. Brown, *Adviser*

L. S. Finch, *Chairman,* Subcommittee on Public Use of Watershed Areas

G. E. Arnold
S. T. Anderson
H. M. Freeburn
W. J. Scott
R. A. Thuma
F. H. Waring

Committee E4—Ground Water Collection

G. E. Ferguson, *Adviser*

Committee E4A—Deep Wells and Deep Well Pumps

This committee has been assigned the duty of developing standard specifications for the construction and testing of deep wells, as well as the purchase requirements for, and method of testing, deep well pumps. Tentative Specifications for Deep Wells were published in the September 1945, Journal, and adopted as "Standard" May 10, 1946. Details such as align-

ment, plumbness, casing materials, general safety considerations, sterilization, testing, etc., are included in the well specifications.

Specifications relating to the purchase and acceptance testing of pumps will outline which information should be furnished to the manufacturer by the purchaser and which should be furnished to the purchaser by the manufacturer. They will also include methods of testing after installation for purposes of determining the degree of conformance to the specifications.

J. A. Carr, *Co-chairman*
S. M. Dunn
A. G. Fiedler
R. W. Harding
A. D. Henderson
C. M. McCord
J. C. Harding, *Co-chairman*
W. W. Morehouse
O. J. Muegge
Marcel Pequegnat
L. A. Smith
C. M. Stanley
Reeves Newsom, *Adviser*

Committee E5—Water Purification

Committee E5A—Water Purification Development Committee

The officers of the Water Purification Division plus an Executive Officer constitute the Committee on Water Purification Development.

The duty of this committee is to define the subject and extent of any special studies or reports deemed desirable and consistent with the purposes of the Water Purification Division.

The Secretary of the Water Purification Division (ex officio) is a member of the Association's Committee on Water Works Practice.

Committee E5B—Manual of Water Quality and Treatment

This Manual, first published in 1940, is now being revised. The revised text has been cleared by the entire editorial group and is being put into form for publication.

A. C. Decker, *Editorial Chairman*
J. R. Baylis
A. P. Black
T. R. Camp
N. S. Chamberlin
E. S. Chase
C. R. Cox
E. B. Evans
H. A. Faber
Douglas Feben
F. W. Gilcreas
R. F. Goudey
A. E. Griffin
F. E. Hale
E. A. Hardin
L. L. Hedgepeth
C. P. Hoover
J. E. Kerslake
W. F. Langelier
C. J. Lauter
Max Levine
O. J. Muegge
G. D. Norcom
E. A. Sigworth
Paul Weir
W. V. Weir

E5W-1—Specifications and Tests for Water Purification Chemicals

This committee is charged with the preparation of standard specifications for chemicals used in water treatment and standard methods of analysis and/or acceptance testing of such materials. The 1946–47 officers of the Water Purification Division (C. K. Calvert, C. R. Cox, I. M. Glace, C. M. Hoskinson, J. E. Kerslake and G. J. Turre), acting as a Review Committee under the leadership of C. K. Calvert (deceased April 19, 1948), prepared a series of documents covering 29 water purification chemicals. At the present time, the final drafts of the specifications are being reviewed by A. P. Black and coordinated by J. E. Kerslake.

E5W-2—Biological and Chemical Problems of Water Distribution Systems

The duty of this committee is to study the chemical and biological changes which occur in water in distribution systems and the effect of such changes on taste, odor, appearance, corrosiveness and sanitary quality of the water.

J. C. VAUGHN, *Chairman*
L. C. BILLINGS
R. J. BREHM
D. W. GRAHAM
N. J. HOWARD
T. E. LARSON
A. F. MELLEN
W. J. SCOTT
M. C. SMITH
F. H. STOVER
W. M. WALLACE
A. D. WESTON
MAX LEVINE, *Adviser*

E5W-3—Specifications for and Methods of Testing Zeolites

A Tentative Manual of Zeolite Test Procedures was published in the June 1943 JOURNAL. A revision of the Tentative Manual under the title "Tentative Manual of Cation Exchanger Test Procedures" is now in preparation by the Committee.

D. E. DAVIS, *Chairman*
D. E. CHASE
H. M. OLSON
M. J. SHOEMAKER

Technical Advisory Committee

A. S. BEHRMAN
E. S. HERTZOG
F. K. LINDSAY
E. R. MUELLER
O. C. RALSTON
H. L. TIGER

E5W-4—Practical Loading Capacities of Water Treatment Plants

This committee is charged with the consideration of the scope of the applicability of short-time preparation for filtration; and of high-rate filtration to water treatment processes.

H. O. HARTUNG, *Chairman*
A. S. BEHRMAN
R. W. HAYWOOD JR.
W. H. KNOX
W. A. KRAMER
C. H. SPAULDING

Advisers
H. L. BEOHNER
G. A. MCBRIDE
F. G. NELSON
S. L. TOLMAN

E5W-5—Water Conditioning Methods to Inhibit Corrosion

The duty of this committee is to study methods of water treatment, physical, chemical or other, to inhibit deterioration of materials submerged in water or materials made into tanks or pipe, holding or carrying water.

K. W. BROWN, *Chairman*
C. D. ADAMS
STUART COBURN
H. C. MEDBERY
P. E. PALLO
T. M. RIDDICK
LEE STREICHER
CARL WILSON

E5W-6—Specifications for Filtering Materials

Tentative Specifications for Filtering Material were published in the April 1943 JOURNAL. New Tentative Standards have been prepared by the Committee and after approval by the Committee on Water Works Practice and the Board of Directors will be published in the JOURNAL. These Tentative Standards will cover material for rapid sand or mechanical filters only. Slow sand filters are not included.

RICHARD HAZEN, *Chairman*
W. W. AULTMAN
H. E. HUDSON JR.
ROBERTS HULBERT
T. M. RIDDICK
W. E. STANLEY

E5W-7—Open-Air Reservoirs

This committee has as its scope a study of the effect of uncovered finished water reservoirs on the taste, odor, appearance and the sanitary quality of water flowing from them. Finished water is defined as water ready for delivery into the distribution system without further treatment except for chlorination or some form of disinfection.

N. J. HOWARD, *Chairman*
E. L. BEAN
R. L. DERBY
E. B. EVANS
W. J. SCOTT

E5W-8—Disposal of Wastes From Water Purification and Softening Plants

The duty of this committee is to study and report upon methods and practices of disposing of sludge or skimmings from clarification units, sludges from lime or lime-soda softening plants, brine from zeolite softeners and wash water from filters of all types.

W. W. AULTMAN, *Chairman*
A. P. BLACK
H. R. HALL
P. D. HANEY

E5W-9—Standard Methods for the Analysis of Water and Sewage

This committee was organized to assist the A.W.W.A. representative on the Joint Editorial Board, 10th Edition Standard Methods for the Examination of Water and Sewage, in planning and developing the text; and to prepare such portions of the text as may be assigned to the committee, either by revision of existing material or by the development of new material.

R. L. DERBY, *Chairman*
R. C. BARDWELL
J. R. BAYLIS
C. A. BLACK
M. E. FLENTJE
N. J. HOWARD
W. F. LANGELIER
N. S. NICHOLS

Committee E6—Power and Pumping

C. B. BURDICK, *Adviser*

Committee E7—Transmission and Distribution

Committee E7A—Steel Plate Pipe

This committee has been assigned the duty of developing standard specifications for steel water pipe and protective coatings and linings therefor. It has also been authorized to prepare a "Manual for Design and Installation of Steel Water Pipe Lines." Official documents previously prepared by this committee are listed on pages 283 and 284.

By authority of the Board of Directors there has been established a Steel Water Pipe Manufacturers Technical Advisory Committee for the purpose of giving the A.W.W.A. Committee on Steel Plate Pipe information and advice concerning the production and protection of steel water pipe. (See JOUR. A.W.W.A. 33: 1716 (1941).) The officers of this advisory committee are R. C. Beam, Chairman; Walter H. Cates, Secretary.

W. W. HURLBUT, *Chairman*

Consumer Members

W. W. BRUSH
T. R. CAMP
E. A. CLEVELAND
F. E. DOLSON
L. E. GOIT
S. L. KERR
L. G. LENHARDT
V. C. LISCHER
W. C. MORSE
F. M. RANDLETT
T. H. WIGGIN
D. H. YOUNG

H. A. PRICE, *Vice-Chairman*

Producer Members

R. E. BARNARD
R. C. BEAM
W. H. CATES
H. M. CHADWICK
G. H. GARRETT
H. O. HILL
G. B. MCCOMB
H. R. REDINGTON
J. E. REVELLE

N.E.W.W.A. Representatives

S. M. DORE
SCOTT KEITH

Committee E7B—Reinforced Concrete Pipe

The original assignment of this committee was the preparation of Emergency Specifications for Reinforced Concrete Pipe (adopted March 1943 and published in the April 1943 JOURNAL; Specifications No. 7B-T). These Specifications were superseded by the Tentative Standard Specifications for Reinforced Concrete Water Pipe (Steel Cylinder Type, *Not Prestressed*) as published in the March 1948 JOURNAL. Tentative Standard Specifications for Reinforced Concrete Pipe (Steel Cylinder Type, *Prestressed*) are now in development by the committee.

E. W. WHITLOCK, *Chairman*
L. V. GARRITY
D. D. GROSS
C. C. KENNEDY
M. W. LOVING
H. F. PECKWORTH
F. D. PYLE
R. A. SKINNER
M. K. SOCHA

Manufacturers' Advisers

E. E. BRAINARD
R. V. EDWARDS

N.E.W.W.A. Representatives

S. M. DORE
G. A. SAMPSON

Committee E7D—Laying Cast-Iron Pipe

This committee is divided into two sections:

1. *Mechanical Standards for Laying Cast-Iron Water Mains.* The committee has in preparation the third and final draft of these specifications which it expects to have approved by the Committee on Water Works Practice and submit to the Board of Directors at its 1949 Annual Meeting.

2. *Procedure for Disinfecting Water Mains.* The document prepared by this committee, "A Procedure for Disinfecting Water Mains," was published in the February 1948 issue of the JOURNAL.

Mechanical Standards

J. P. SCHWADA, *Co-chairman*
R. W. ESTY
W. A. GLASS
L. E. GOIT
H. A. HUNTER
H. W. NIEMEYER
G. J. REQUARDT
H. L. NELSON, *Adviser*
G. W. COFFIN, *N.E.W.W.A. Repr.*

Disinfection Procedure

B. A. POOLE, *Co-chairman*
K. W. BROWN
H. O. HARTUNG
G. D. NORCOM
H. P. STOCKWELL JR.
N. A. THOMAS
C. F. WERTZ
A. E. GRIFFIN, *Adviser*
W. S. MARINER, *N.E.W.W.A. Repr.*

Committee E7F-1—Valves

This committee is charged with the revision of the 1938 Specifications for Water Works Distribution Valves. It is also advised to consider standardization of flanged cast-iron body valves for pumping station and filtration plant use.

F. M. RANDLETT, *Chairman*
S. J. BENEDICT
D. L. ERICKSON
V. C. LISCHER
B. E. PAYNE
H. F. O'BRIEN, *Adviser*

New England Water Works Assn. Representatives

H. W. GRISWOLD
L. G. CARLTON
W. H. SEARS

Committee E7F-2—Sluice Gates

This committee is charged with the review of the Tentative Specifications for Sluice Gates which were approved (as tentative) in 1941, but which have not been advanced to standard status.

T. J. SKINKER, *Chairman*
C. H. CAPEN JR.
J. C. DETWEILER
B. S. GRANT
D. D. GROSS
N. G. MCDONALD

New England Water Works Assn. Representatives

H. W. GRISWOLD
E. T. KILLAM

Committee E7F-3—Fire Hydrants

This committee is at work on the revision of the 1940 Specifications for Fire Hydrants.

R. W. Esty, *Chairman*
R. C. Dennett
R. H. Ellis
L. A. Jackson
R. C. Kennedy
E. E. Norman
J. W. Randlette, *Adviser*

New England Water Works Assn. Representatives

R. W. Esty
H. U. Fuller
H. W. Griswold

Committee E7J—Distribution System Safety

This committee has as its scope the definition of the structural and sanitary hazards which may be encountered in the distribution of public water supplies and the determination of reasonable means of obtaining structural safety and the elimination of sanitary hazards.

There are excepted from the scope of the committee's activities all specifications, manuals, etc., within the field of distribution of public water supply which are specifically assigned to other committees.

The first report of the Committee was published in the February 1940 Journal.

W. E. Stanley, *Chairman*
A. E. Berry
R. F. Goudey
W. R. LaDue
F. A. Marston
L. F. Warrick

New England Water Works Assn. Representatives

W. E. Stanley
D. C. Calderwood
F. A. Marston

Committee E7K—Cross-Connections

This committee was organized for the purpose of correlating information concerning the control of cross-connections. A report was published in the January 1942 Journal. Further studies are now in progress.

M. W. Cowles, *Chairman*
E. S. Chase
F. M. Dawson
R. E. Dodson Jr.
G. T. Evans
R. F. Goudey
W. S. Johnson
W. J. Scott
H. E. Halpin, *Adviser*
H. T. Munn, *Adviser*

Committee E7M—Meters

This committee has prepared the following Specifications: (1) Standard Specifications for Cold Water Meters—Displacement Type, published as "Tentative" in the Journal for December 1941, and advanced to "Standard" by action of the Board of Directors on May 10, 1946; (2) Standard Specifications for Cold Water Meters—Current Type, published as "Tentative" in the Journal for April 1946, and advanced to "Standard" by action of the Board of Directors on April 25, 1947; (3) Standard Specifications for Cold Water Meters—Compound Type, published as "Tentative" in the Journal for April 1946, and advanced to "Standard" by action of the Board of Directors on April 25, 1947; (4) Tentative Standard Specifications for Cold Water Meters—Fire Service Type, published in the Journal for February 1947. Specifications for Cold Water Meters—Current Type, Propeller-Driven, are under consideration by the committee.

S. F. Newkirk Jr., *Chairman*
E. V. Buchanan
J. G. Carns Jr.
A. P. Kuranz
H. W. Niemeyer
Mfrs.' Advisory Committee
Charles Bachmann
A. R. Whittaker
R. R. Anderson
H. V. Pedersen
G. J. Rohan
G. C. Sopp
L. S. Vance
W. V. Weir
N.E.W.W.A. Representatives
R. H. Ellis
W. A. Gentner
D. H. Hall

Committee E7N—Electrolysis and Electrical Interference

This committee is charged with the evaluation of problems created by the transfer of electric current on, to or from water pipes.

D. F. Moroney, *Chairman*
M. W. Cowles
J. G. Eernisse
H. A. Knudsen
E. E. Minor

Committee E7S—Service Line Materials

This committee was charged with the review and recommendation for publication of specifications for copper, iron (wrought or cast), lead (etc.) tubing or pipe in sizes and weights suitable for water service lines. The committee has completed its work and the document "Collected Standard Specifications for Service Line Materials" has been published in the August 1948 issue of the Journal.

W. A. Peirce, *Chairman*
F. C. Amsbary
P. D. Cook
B. W. Cullen
J. C. Detweiler
H. U. Fuller
D. D. Gross
E. E. Jacobson
R. H. Martindale
C. D. Moon
Reeves Newsom
H. V. Pedersen
G. W. Pracy
E. H. Ruehl
F. A. Schaefer
R. J. Smith

Committee E7T—Recommended Standards for Threads for Underground Service Line Fittings

This committee has prepared Standard Specifications for Threads for Underground Service Line Fittings, published as "Tentative" in the Journal for October 1947, and advanced to "Standard" by action of the Board of Directors on September 1, 1948.

W. W. Brush, *Chairman*
H. C. Cramer
E. T. Cranch
L. H. Daniel
M. S. Dutton
O. R. Elting
C. E. Fiveash
C. L. Fox
J. E. Garratt
D. D. Gross
E. L. Holloway
E. W. Johnson
J. C. Keith
L. A. Kirch
W. A. Kunigk
R. L. Lawrence
W. M. Lynbrook
J. J. Murray
Wade Plummer
H. E. Silcox
G. C. Sopp
T. J. Skinker
Marvin Turner
Paul Weir
J. C. Zufelt

New England Water Works Assn. Representatives

W. W. Brush
D. C. Calderwood

Committee E7V—Recommended Design for Valve Boxes and Covers, Curb Stop Boxes and Covers, and Meter Boxes and Covers

The function of this committee will be the development of recommended design for valve boxes and covers, curb stop boxes and covers, and meter boxes and covers.

F. C. Amsbary, *Adviser*

Joint Committees With Other Organizations

A.W.W.A. Activities Under Jurisdiction of Board of Directors

COMMITTEE ON WATER AND SEWAGE WORKS DEVELOPMENT

AMERICAN WATER WORKS ASSOCIATION
FEDERATION OF SEWAGE WORKS ASSOCIATIONS
NEW ENGLAND WATER WORKS ASSOCIATION
WATER & SEWAGE WORKS MANUFACTURERS ASSOCIATION

The function of this committee is the promotion and planning of water and sewage works construction at times when normal construction activities are insufficient to provide adequate employment. The Committee was active from mid-year 1943 until the end of 1945.

COMMITTEE ON FEDERAL ACTIVITIES

AMERICAN WATER WORKS ASSOCIATION
MAINE WATER UTILITIES ASSOCIATION
NEW ENGLAND WATER WORKS ASSOCIATION

This committee is concerned with the development of accurate data concerning the materials and supply situation within the water supply field; presentation of information to the proper national authorities; and transmittal of necessary information to the water works management field. The committee was organized in 1941 under the title "Wartime Activities Committee." The title was changed early in 1946 to "Committee on Federal Activities."

A.W.W.A. Activities Under Jurisdiction of Committee on Water Works Administration

COMMITTEE ON WATER WORKS ACCOUNTING MANUAL

AMERICAN WATER WORKS ASSOCIATION
MUNICIPAL FINANCE OFFICERS ASSOCIATION

This committee is responsible for the preparation of future editions of the "Manual of Water Works Accounting," which document was first published in 1938.

Representatives of A.W.W.A.

M. F. Hoffman
Reeves Newsom
H. F. Smith

COMMITTEE ON SURVIVAL AND RETIREMENT EXPERIENCE WITH WATER WORKS FACILITIES

AMERICAN WATER WORKS ASSOCIATION
INSTITUTE OF WATER SUPPLY UTILITIES

This committee was organized early in 1941 to secure accurate and comprehensive data relating to the survival and retirement history of the various main elements of water works facilities in typical plants in the United States and Canada for the purpose of assisting in planning, financing, designing, managing and operating such facilities.

The report of the committee has been published in installments in the JOURNAL during 1945 and 1946. A consolidated volume containing all the reports was published in 1947 (see p. 288). Work of this character may be reactivated.

NATIONAL COMMITTEE FOR UTILITIES RADIO

This committee has been established for the purpose of coordinating the activities of the public utility services in their use of radio communication equipment. The National Committee is made up of representatives of eight national associations in the public utility field, and ten regional groups of representatives of operating utilities. The officers of the National Committee are: Chairman, R. V. Dondanville, Commonwealth Edison Co., Chicago, Ill.; Vice-Chairman, E. D. Glatzel, Detroit Edison Company, Detroit, Mich.; Secretary, H. L. Davis Jr., Philadelphia Electric Co., Philadelphia, Pa.

The regional representatives for the A.W.W.A. are:

New England		*Missouri Valley*	M. P. HATCHER
Middle Atlantic	ADOLPH DAMIANO	*Texas-Louisiana*	A. R. DAVIS
Southeast	PAUL WEIR	*Rocky Mountain*	G. J. TURRE
North Central	H. W. NIEMEYER	*Northwest*	J. G. EERNISSE
Minnesota-Dakota	H. G. TISCHER	*Southwest*	H. A. KNUDSEN

A.W.W.A. Activities Under Jurisdiction of Committee on Water Works Practice

JOINT EDITORIAL COMMITTEE ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND SEWAGE

AMERICAN PUBLIC HEALTH ASSOCIATION
AMERICAN WATER WORKS ASSOCIATION
FEDERATION OF SEWAGE WORKS ASSOCIATIONS

Standard Methods for the Examination of Water & Sewage has been issued jointly by the American Water Works Assn. and the American Public Health Assn. since 1925. The Federation of Sewage Works Associations has now joined these Associations in sponsoring the work of this committee and will participate in the preparation of the Tenth and future editions. The Editorial Board is responsible for the content of the text. The Eighth Edition was published in 1936; the Ninth Edition in 1946 and the Tenth Edition is under consideration. The Editorial Board responsible for the preparation of the Tenth Edition consists of:

H. A. FABER, *Repr. A.W.W.A.*
M. H. MCCRADY, *Repr. A.P.H.A.*
W. D. HATFIELD, *Repr. F.S.W.A.*

JOINT RESEARCH COMMITTEE ON BOILER FEEDWATER STUDIES

AMERICAN BOILER MANUFACTURERS ASSOCIATION
AMERICAN RAILWAY ENGINEERING ASSOCIATION
AMERICAN SOCIETY OF MECHANICAL ENGINEERS
AMERICAN SOCIETY FOR TESTING MATERIALS
AMERICAN WATER WORKS ASSOCIATION
EDISON ELECTRIC INSTITUTE

This committee plans and controls research on certain problems associated with boiler feedwater. It is composed of an executive subcommittee and technical subcommittees. The secretary is T. H. Daugherty, Hall Labs., Pittsburgh, Pa. The Chairman is W. C. Schroeder, Bureau of Mines, Dept. of Interior, Washington, D.C.

Representatives of A.W.W.A.

M. D. Baker
S. T. Powell

COMMITTEE ON WATER WORKS TERMS

AMERICAN PUBLIC HEALTH ASSOCIATION
AMERICAN SOCIETY OF CIVIL ENGINEERS
AMERICAN WATER WORKS ASSOCIATION
FEDERATION OF SEWAGE WORKS ASSOCIATIONS

This committee has been organized to formulate the definitions of various terms used in the practice of water and sewage works engineering and operation. The "Glossary—Water and Sewage Control Engineering" is in press. C. H. Capen acted as final editorial reviewer for the A.W.W.A.

Thorndike Saville, *General Chairman*
Reginald C. Price, *Secretary*

Representatives of A.W.W.A.
Thorndike Saville, *Chairman*
H. E. Babbitt
S. B. Morris

Representatives of A.S.C.E.
O. E. Brownell, *Chairman*
R. S. Tyler
A. D. Weston

Representatives of A.P.H.A.
E. B. Phelps, *Chairman*
Sol Pincus
R. E. Tarbett

Representatives of F.S.W.A.
C. J. Velz, *Chairman*
C. A. Emerson
C. E. Keefer

JOINT COMMITTEE ON WATER HAMMER

AMERICAN SOCIETY OF CIVIL ENGINEERS
AMERICAN SOCIETY OF MECHANICAL ENGINEERS
AMERICAN WATER WORKS ASSOCIATION

This committee was organized in 1931 under the Hydraulic Division of the A.S.M.E. S. Logan Kerr is general chairman.

Representatives of A.W.W.A.

F. M. Dawson
L. H. Kessler

JOINT COMMITTEE ON SPECIFICATIONS FOR FIELD WELDING OF STEEL WATER PIPE JOINTS

AMERICAN WATER WORKS ASSOCIATION
AMERICAN WELDING SOCIETY

This joint committee was organized in 1942 to develop Specifications for Field Welding of Steel Water Pipe Joints. Tentative Standard Specifications were published in the March 1946 JOURNAL.

W. W. HURLBUT, *Chairman*

Representatives of A.W.W.A.
R. B. DIEMER
G. W. HAMLIN
R. C. KENNEDY
L. G. LENHARDT
H. A. PRICE

Representatives of A.W.S.
H. C. BOARDMAN
H. M. CHADWICK
MARTIN ETTINGTON
G. H. GARRETT
H. O. HILL

STEEL STANDPIPES AND ELEVATED TANKS

AMERICAN WATER WORKS ASSOCIATION
AMERICAN WELDING SOCIETY
NEW ENGLAND WATER WORKS ASSOCIATION

This committee is charged with the development of specifications for paints and painting of elevated tanks. (See pages 285–286 for specifications published.)

L. R. HOWSON, *Chairman*

Representatives of A.W.W.A.
H. O. HILL
L. R. HOWSON
J. P. SCHWADA
N. T. VEATCH

Representatives of A.W.S.
BRYAN BLACKBURN
H. C. BOARDMAN
J. O. JACKSON
H. A. SWEET

Representatives of N.E.W.W.A.
H. E. BAILEY
H. U. FULLER
H. E. HALPIN
G. A. SAMPSON

STANDARD DIMENSIONS OF FLANGES FOR STEEL WATER PIPE

AMERICAN SOCIETY OF MECHANICAL ENGINEERS
AMERICAN WATER WORKS ASSOCIATION

This committee was organized for the purpose of: (1) the establishment of agreement as to the correct engineering basis for the design of bolted flanged connections in the low-pressure, low-temperature field; and (2) the establishment of dimensional standards acceptable to the American Water Works Association, the A.S.M.E. Boiler Code Committee and, ultimately, the American Standards Association.

F. S. G. WILLIAMS, *Chairman*

Representatives of A.W.W.A.
R. E. BARNARD
MARTIN ETTINGTON
S. A. EVANS
H. O. HILL
S. L. KERR

Representatives of A.S.M.E.
D. B. ROSSHEIM
N. O. SMITH-PETERSON
E. O. WATERS
D. B. WESSTROM
F. S. G. WILLIAMS

CORRELATING COMMITTEE ON CATHODIC PROTECTION

AMERICAN GAS ASSOCIATION
AMERICAN PETROLEUM INSTITUTE
AMERICAN TELEPHONE & TELEGRAPH COMPANY
AMERICAN WATER WORKS ASSOCIATION
ASSOCIATION OF AMERICAN RAILROADS
EDISON ELECTRIC INSTITUTE
INTERNATIONAL MUNICIPAL SIGNAL ASSOCIATION
NATIONAL ASSOCIATION OF CORROSION ENGINEERS
U.S. INDEPENDENT TELEPHONE ASSOCIATION
BELL SYSTEM
WESTERN UNION TELEGRAPH COMPANY

This committee was organized to appraise the nature and extent of interferences set up by multiple cathodic protection installations and to develop recommendations for inner-system protective facilities.

H. H. Anderson, *Chairman* F. E. Dolson, *Secretary*

Representatives of A.W.W.A.

A. R. Davis F. E. Dolson

A.W.W.A. Representatives on Committees of Other Organizations

COMMITTEES UNDER THE PROCEDURE OF THE AMERICAN STANDARDS ASSOCIATION

A21—Specifications for Cast-Iron Pipe and Special Castings

AMERICAN GAS ASSOCIATION
AMERICAN SOCIETY FOR TESTING MATERIALS
AMERICAN WATER WORKS ASSOCIATION
NEW ENGLAND WATER WORKS ASSOCIATION

As noted below, T. H. Wiggin (A.W.W.A.), 50 Broad St., New York, N.Y., is the general chairman of the committee. The secretary is C. C. Simpson Jr. (A.G.A.), 4 Irving Place, New York, N.Y. (See page 283 for specifications published.)

Representatives of A.W.W.A.

T. H. Wiggin, *General Chairman* L. V. Garrity
H. W. Griswold Reeves Newsom
W. W. Brush

A35—Manhole Frames and Covers

AMERICAN SOCIETY OF CIVIL ENGINEERS
THE TELEPHONE GROUP (BELL SYSTEM AND U. S. IND. TEL. ASSN.)

American Standards for Manhole Frames and Covers for Subsurface Structures was accepted by the American Standards Association in 1941 as document A35.1—1941. The document was published in the July 1942 Journal. The Chairman is S. C. Miller, Bell Telephone Labs., 463 West St., New York, N.Y.

Representative of A.W.W.A.
F. A. Marston

A40—Standardization of Plumbing Equipment

AMERICAN SOCIETY OF MECHANICAL ENGINEERS
AMERICAN PUBLIC HEALTH ASSOCIATION

This committee is charged with the development of a standard plumbing code as well as specifications for certain materials used in plumbing. The Chairman is T. I. Coe, American Institute of Architects, Washington, D.C.

Representative of A.W.W.A.

F. M. Dawson — W. J. Scott, *Alternate*

B2-1919—Pipe Thread

AMERICAN GAS ASSOCIATION
AMERICAN SOCIETY OF MECHANICAL ENGINEERS

The general chairman of this committee is A. S. Miller (A.G.A.), 80 Westcott Rd., Princeton, N.J.

Representative of A.W.W.A.

W. W. Brush

B16—Pipe Flanges and Fittings

AMERICAN SOCIETY OF MECHANICAL ENGINEERS
HEATING, PIPING AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
MANUFACTURERS STANDARDIZATION OF THE VALVE AND FITTINGS INDUSTRY

The general chairman of this committee is Emmart LaCrosse, Vice-Pres. & Director of Eng., Stone & Webster Engineering Corp., Boston, Mass.

Representatives of A.W.W.A.

O. B. Carlisle — W. W. Hurlbut

B31—Code for Pressure Piping

AMERICAN SOCIETY OF MECHANICAL ENGINEERS

The general chairman of this committee is F. S. G. Williams, Taylor Forge & Pipe Works, 50 Church St., New York, N.Y.

Representative of A.W.W.A.

Edward Hubbard

B36—Standardization of Dimensions and Materials of Wrought-Iron and Wrought-Steel Pipe and Tubing

AMERICAN SOCIETY OF MECHANICAL ENGINEERS
AMERICAN SOCIETY FOR TESTING MATERIALS

The general chairman of this committee is J. J. Canter, Materials Research Eng., Crane Co., 4100 S. Kedzie Ave., Chicago 5, Ill.

Representative of A.W.W.A.

Edward Hubbard

C1—National Electrical Code

NATIONAL FIRE PROTECTION ASSOCIATION

This entire project is being reorganized by the N.F.P.A.

Representative of A.W.W.A. on Subcommittee on Grounding
F. R. Dolson

Z10—Letter Symbols and Abbreviations for Science and Engineering

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE
AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS
AMERICAN SOCIETY OF CIVIL ENGINEERS
SOCIETY FOR PROMOTION OF ENGINEERING EDUCATION
AMERICAN SOCIETY OF MECHANICAL ENGINEERS

The general chairman of this committee is H. M. Turner, Yale University.

Nine documents of the Z-10 series have been accepted by the American Standards Association.

Representative of A.W.W.A.
W. E. Howland

Z23—Specifications for Sieves for Testing Purposes

AMERICAN SOCIETY FOR TESTING MATERIALS
BUREAU OF STANDARDS (U. S. DEPT. OF COMMERCE)

The general chairman of this committee is L. T. Work (A.S.T.M.), Metal & Thermit Corp., Rahway, N. J.

Standard Specifications for Sieves for Testing Purposes have been published as A.S.A. document Z23.1—1939.

Representative of A.W.W.A.
G. M. Fair

Z32—Standardization of Graphical Symbols for Use on Drawings

AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS
AMERICAN SOCIETY OF MECHANICAL ENGINEERS

The general chairman of this committee is W. L. Heard, Bell Telephone Labs., Inc., 463 West St., New York 14, N.Y.

Seven documents of the Z32 series on Graphical Symbols have been published by the American Standards Association.

Representative of A.W.W.A.
W. V. Weir

A.W.W.A.

PUBLICATIONS

[1948]

Orders should be sent to the American Water Works Association, 500 Fifth Ave., New York 18, N.Y. Specify document numbers when listed. Payment is required in advance from nonmembers.

Specifications for Cast-Iron Pipe, Fittings, Lining and Laying

ASA A21.1–1939—AMERICAN RECOMMENDED PRACTICE MANUAL FOR THE COMPUTATION OF STRENGTH AND THICKNESS OF CAST-IRON PIPE—Adopted by the A.W.W.A. in December 1939 and published as a part of the December 1939 JOURNAL. 81 pp. Reprint, 50¢.

ASA A21.2–1939—AMERICAN STANDARD SPECIFICATIONS FOR CAST-IRON PIT-CAST PIPE FOR WATER OR OTHER LIQUIDS—Adopted by the A.W.W.A. in December 1939 and published as a part of the December 1939 JOURNAL. 23 pp. Reprint, 25¢.

ASA A21.4–1939—AMERICAN STANDARD SPECIFICATIONS FOR CEMENT-MORTAR LINING FOR CAST-IRON PIPE AND FITTINGS—Adopted by the A.W.W.A. in December 1939 and published as a part of the December 1939 JOURNAL. 9 pp. Reprint, 20¢.

7C.1–1908—STANDARD SPECIFICATIONS FOR CAST-IRON SPECIAL CASTINGS—The portion of the A.W.W.A. 1908 Specifications for Cast Iron Water Pipe and Special Castings which relates to special castings has not yet been superseded by new material produced by the American Standards Association Committee A21. Until such time as this Committee completes its report A21.7, the A.W.W.A. 1908 Specifications continue to be a basis for purchase *insofar as they relate to special castings.* 36 pp. Reprint, 40¢.

7D.1–1938—STANDARD SPECIFICATIONS FOR LAYING CAST-IRON PIPE—Adopted by the A.W.W.A. on April 28, 1938, and published in the February 1938 JOURNAL. 20 pp. Reprint, 20¢.

7D.2–1947—A PROCEDURE FOR DISINFECTING WATER MAINS—Adopted by the A.W.W.A. on September 30, 1947, and published in the February 1948 JOURNAL. Latest revision, September 15, 1948. 8 pp. Reprint, 15¢.

Specifications for Steel Pipe and Coatings

7A.1-1940—STANDARD SPECIFICATIONS FOR RIVETED STEEL PIPE—Published as Tentative Specifications as a part of the January 1940 JOURNAL and adopted as Standard by the A.W.W.A. on April 25, 1940. 11 pp. Reprint, 20¢.

7A.2-T—TENTATIVE SPECIFICATIONS FOR LOCK-BAR PIPE—Published as Tentative Specifications as a part of the January 1940 JOURNAL and approved as Tentative Specifications only by the A.W.W.A. on April 25, 1940. 12 pp. Reprint, 20¢.

7A.3-1940—STANDARD SPECIFICATIONS FOR ELECTRIC FUSION WELDED STEEL WATER PIPE OF SIZES 30 INCHES AND OVER—Published as Tentative Specifications as a part of the January 1940 JOURNAL and adopted as Standard by the A.W.W.A. on April 25, 1940. Latest revision, September 15, 1948. 20 pp. Reprint, 25¢.

7A.4-1941-TR—TENTATIVE REVISION (1943) OF STANDARD SPECIFICATIONS FOR STEEL WATER PIPE OF SIZES UP TO BUT NOT INCLUDING 30 INCHES—Published as Tentative Specifications as a part of the June 1940 JOURNAL and adopted as Standard by the A.W.W.A. on June 26, 1941. Tentative Revision published in the April 1943 JOURNAL. Latest revision, September 15, 1948. 28 pp. Reprint, 30¢.

7A.5-1940—STANDARD SPECIFICATIONS FOR COAL-TAR ENAMEL PROTECTIVE COATINGS FOR STEEL WATER PIPE OF SIZES 30 INCHES AND OVER—Published as Tentative Specifications as a part of the January 1940 JOURNAL and adopted as Standard by the A.W.W.A. on April 25, 1940. 28 pp. Reprinted under same cover as 7A.6-1940, description of which follows.

7A.6-1940—STANDARD SPECIFICATIONS FOR COAL-TAR ENAMEL PROTECTIVE COATINGS FOR STEEL WATER PIPE OF SIZES UP TO BUT NOT INCLUDING 30 INCHES—Published as Tentative Specifications as a part of the January 1940 JOURNAL and adopted as Standard by the A.W.W.A. on April 25, 1940. 24 pp. Reprinted under one cover with 7A.5-1940, 45¢.

7A.7-1941—STANDARD SPECIFICATIONS FOR CEMENT-MORTAR PROTECTIVE COATING FOR STEEL WATER PIPE OF SIZES 30 INCHES AND OVER—Published as Tentative Specifications as a part of the January 1940 JOURNAL and adopted as Standard by the A.W.W.A. on June 26, 1941. 16 pp. Reprint, 20¢.

7A.8-T—TENTATIVE STANDARD SPECIFICATIONS FOR FIELD WELDING OF STEEL WATER PIPE JOINTS—Approved as Tentative Standard Specifications by the A.W.W.A. on January 10, 1946 and by the American Welding Society on October 30, 1945. Published as part of the March 1946 JOURNAL. 12 pp. Reprint, 20¢.

Specifications for Valves, Sluice Gates and Fire Hydrants

7F.1–1939—STANDARD SPECIFICATIONS FOR GATE VALVES FOR ORDINARY WATER WORKS SERVICE—Adopted by the A.W.W.A. on April 28, 1938 and published in the March 1939 JOURNAL. 12 pp. Reprint, 20¢.

7F.2–T—TENTATIVE SPECIFICATIONS FOR SLUICE GATES—Approved as Tentative Specifications by the A.W.W.A. on June 26, 1941 and published as a part of the October 1941 JOURNAL. 11 pp. Reprint, 20¢.

7F.3–1940—STANDARD SPECIFICATIONS FOR FIRE HYDRANTS FOR ORDINARY WATER WORKS SERVICE—Adopted as Standard Specifications by the A.W.W.A. on January 17, 1940. Includes "Characteristics of the National Standard Fire-Hose Coupling Screw Thread" and 7F.3.1–1937 (see below). Published as a part of the August 1940 JOURNAL. 12 pp. Reprint, 20¢.

7F.3.1–1937—SPECIFICATIONS FOR UNIFORM MARKING OF FIRE HYDRANTS—Published in the April 1937 JOURNAL and adopted by the A.W.W.A. on June 7, 1937. Included in 7F.3–1940, described above.

Other Specifications

4A.1—STANDARD SPECIFICATIONS FOR DEEP WELLS—Published as Tentative Standard Specifications as part of the September 1945 JOURNAL and adopted as Standard by the A.W.W.A. on May 10, 1946. 50 pp. Reprint, 45¢.

7B.1–T–1947—TENTATIVE STANDARD SPECIFICATIONS FOR REINFORCED CONCRETE WATER PIPE—STEEL CYLINDER TYPE, NOT PRESTRESSED—Approved by the A.W.W.A. on December 11, 1947, and published in the March 1948 JOURNAL. 14 pp. Reprint, 20¢.

7H.1–1943—STANDARD SPECIFICATIONS FOR ELEVATED STEEL WATER TANKS, STANDPIPES AND RESERVOIRS—Published as Tentative Specifications as a part of the December 1940 JOURNAL and adopted as Standard by the A.W.W.A. on June 26, 1941; by the American Welding Society on July 23, 1941; and by the New England Water Works Assn. on Sept. 28, 1943. Latest revision, September 20, 1948. 35 pp. Reprint, 35¢.

7H.2-T—TENTATIVE RECOMMENDED PRACTICE FOR REPAIRING AND REPAINTING ELEVATED STEEL WATER STORAGE TANKS, STANDPIPES AND RESERVOIRS—Originally approved by the A.W.W.A. on June 15, 1943, and published as part of the July 1943 JOURNAL. Revised September 20, 1948, and republished as part of the October 1948 JOURNAL. 19 pp. Reprint, 25¢.

7M.1—STANDARD SPECIFICATIONS FOR COLD WATER METERS—DISPLACEMENT TYPE—Published as Tentative Specifications as part of the December 1941 JOURNAL and adopted as Standard by the A.W.W.A. on May 10, 1946. Approved as Tentative Specifications by the New England Water Works Association on March 15, 1943. 12 pp. Reprint, 20¢.

7M.2—STANDARD SPECIFICATIONS FOR COLD WATER METERS—CURRENT TYPE—Published as Tentative Specifications in the April 1946 JOURNAL and adopted as Standard by the A.W.W.A. on July 25, 1947. 12 pp. Reprint, 20¢.

7M.3—STANDARD SPECIFICATIONS FOR COLD WATER METERS—COMPOUND TYPE—Published as Tentative Specifications in the April 1946 JOURNAL and adopted as Standard by the A.W.W.A. on July 25, 1947. 13 pp. Reprints, 20¢.

7M.4-T—TENTATIVE STANDARD SPECIFICATIONS FOR COLD WATER METERS—FIRE SERVICE TYPE—Approved as Tentative Specifications by the A.W.W.A. on October 24, 1946, and published as part of the February 1947 JOURNAL. 12 pp. Reprint, 20¢.

7S-CR—COLLECTED SPECIFICATIONS FOR SERVICE LINE MATERIALS—These specifications were assembled and published as a report of A.W.W.A. Subcommittee 7S on Service Line Materials in the August 1948 JOURNAL, but are not official specifications of the A.W.W.A. 7 pp. Reprinted under same cover as 7T.1-1948, description of which follows.

7T.1-1948—STANDARD SPECIFICATIONS FOR THREADS FOR UNDERGROUND SERVICE LINE FITTINGS—Approved as Tentative Specifications by the A.W.W.A. on July 25, 1947, and published as part of the October 1947 JOURNAL. Adopted as Standard on September 15, 1948. 8 pp. Reprinted under one cover with 7S-CR, 25¢.

5C-T—TENTATIVE STANDARD SPECIFICATIONS FOR FILTERING MATERIAL—Approved as Tentative Specifications by the A.W.W.A. in March 1943 and published as a part of the April 1943 JOURNAL. 14 pp. Reprint, 20¢.

W1.1-T—TENTATIVE STANDARD SPECIFICATIONS FOR SULFATE OF ALUMINA—Approved as Tentative Specifications by the A.W.W.A. on November 19, 1945, and published as a part of the December 1945 JOURNAL. *Reprints not available.* Revision in progress.

Committee Reports and Recommended Practices

5B.1-1935—REPORT ON CHEMICAL HAZARDS IN WATER WORKS PLANTS—CHLORINE—Published in the September 1935 JOURNAL. 28 pp. *Reprints not available.*

5B.2-1936—REPORT ON CHEMICAL HAZARDS IN WATER WORKS PLANTS—AMMONIA—Published in the November 1936 JOURNAL. 14 pp. *Reprints not available.*

5B.3-1939—REPORT ON CHEMICAL HAZARDS IN WATER WORKS PLANTS—SULFUR DIOXIDE AND CAUSTIC SODA—Published in the March 1939 JOURNAL. 13 pp. Reprint, 30¢.

REPORT ON SPECIFICATIONS AND TESTS FOR WATER PURIFICATION CHEMICALS—POWDERED ACTIVATED CARBON—Published in July 1938 JOURNAL. *Reprints not available.*

7G.1-1940—RECOMMENDED PRACTICE FOR DISTRIBUTION SYSTEM RECORDS—Reprint also includes "Economies in Office Forms" by Israel Rafkind and "Coordinating Operating System Records With Accounting Records" by Nathan B. Jacobs. Published in the February 1940 JOURNAL. Second ed., 52 pp. Reprint, 45¢.

7J.1-T—TENTATIVE MANUAL OF SAFE PRACTICE IN WATER DISTRIBUTION—Published in the June 1942 JOURNAL. 22 pp. *Reprints not available.* Revision in progress.

5Z-T—TENTATIVE MANUAL OF ZEOLITE TEST PROCEDURES—Approved as Tentative Specifications by the A.W.W.A. in March 1943 and published as a part of the June 1943 JOURNAL. 26 pp. Reprint, 30¢.

GROUNDING OF ELECTRIC CIRCUITS ON WATER PIPES—Statement of A.W.W.A. Policy, Interim Report of Investigations by American Research Committee on Grounding, and Report of a Research Project on the Effects of Electric Grounding on Water Pipes, published in the April and May 1944 JOURNALS. 40 pp. Reprint, 35¢.

Books and Pamphlets

INDEX TO THE PROCEEDINGS, JOURNAL AND OTHER PUBLICATIONS—This cloth-bound, 285-p. Index covers the Proceedings for 1881 through 1913 and the JOURNAL for 1914 through 1939. Price, for general sales, $2.00; to A.W.W.A. Members who send cash with order, $1.50.

INDEX TO THE JOURNAL OF THE AMERICAN WATER WORKS ASSOCIATION, 1940–1944—Paper-bound supplement to the *Index to the Proceedings, Journal and Other Publications.* Published as part of the March 1945 JOURNAL. 64 pp. Paper bound reprint, $1.00.

MANUAL OF WATER WORKS ACCOUNTING—Prepared jointly by the A.W.W.A. and the Municipal Finance Officers Association, this 500-page Manual contains twenty chapters covering all utility accounting practices. Published in 1938. Price, for general sales, $4.00; to A.W.W.A. Members who send cash with order, $3.20.

STANDARD METHODS FOR THE EXAMINATION OF WATER AND SEWAGE—Published jointly by the A.W.W.A. and the American Public Health Association with collaboration of the American Chemical Society. Ninth Edition, 1946. Cloth bound, 300 pages. Available through the American Public Health Association, 1790 Broadway, New York 19, N.Y., at $4.00.

WATER-BORNE OUTBREAKS IN THE UNITED STATES AND CANADA AND THEIR SIGNIFICANCE—By Arthur E. Gorman and Abel Wolman. Published in the February 1939 JOURNAL, p. 225. This 150-page book is a unique compilation and a valuable interpretation. Published separately, paper bound, $1.00.

MANUAL OF WATER QUALITY AND TREATMENT—Published in 1940; reprinted in 1941. *Out of print.* Revised text in preparation.

A STYLE MANUAL FOR JOURNAL AUTHORS—Tips and guides for the author and speaker. Includes an explanation of editing and publication procedure; directions for preparing tables, illustrations, footnotes and references for publication; a list of abbreviations used in the Journal A.W.W.A.; and an Appendix on the oral presentation. Reprinted from the May 1947 JOURNAL. 16 pp. 20¢.

SURVIVAL AND RETIREMENT EXPERIENCE WITH WATER WORKS FACILITIES—Prepared by a joint committee of the A.W.W.A. and the Institute of Water Supply Utilities. Includes reports published in installments in JOURNAL, 1945–46, with additional material and summary tables. Published 1947. Cloth bound, 566 pp. $3.00.

A SURVEY OF OPERATING DATA FOR WATER WORKS IN 1945—A comprehensive tabulation of rates, income, costs and other vital statistics for 462 utilities serving communities of over 10,000 population. Published in the February 1948 JOURNAL. Paper bound reprint, 96 pp. 50¢.

THE QUEST FOR PURE WATER—By M. N. Baker. First edition, 1948. A history of water purification from the earliest records to the twentieth century. 73 illustrations, 900 references, 544 pages. Price, for general sales, $5.00; to A.W.W.A. Members who send cash with order, $4.25.

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(*Continued on page 4*)

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(*Continued on page 6*)

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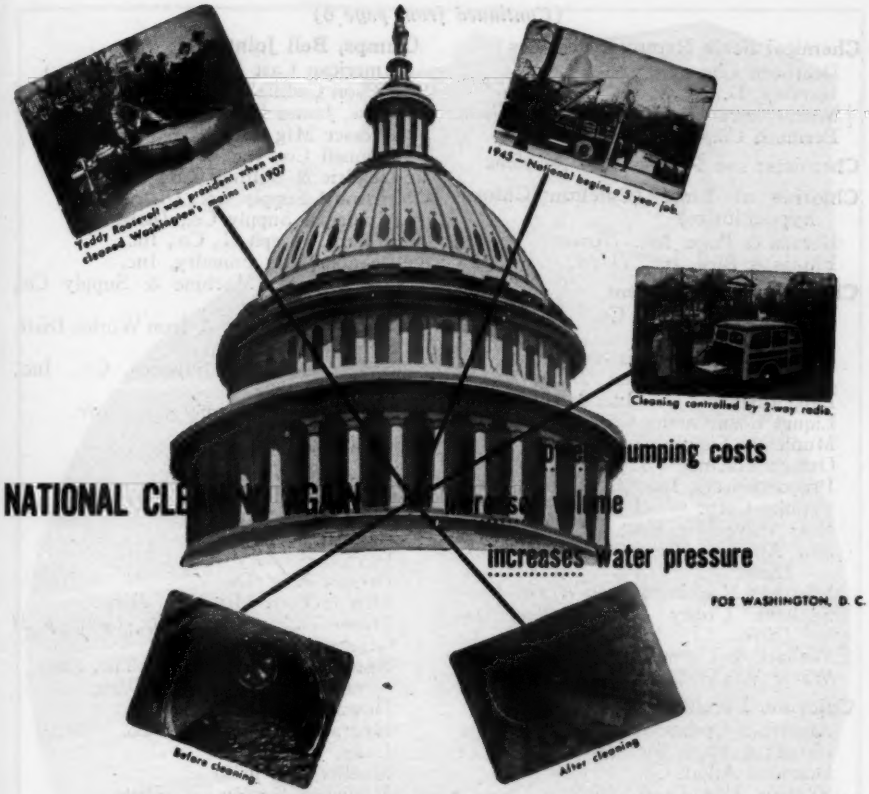

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Viking Supply Co., *Distr.*
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Klenzade Products, Inc., *Distr.*
Klett Mfg. Co.
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Inglis, John, Co., Ltd.
San Antonio Machine & Supply Co., *Distr.*
Worthington Pump & Machinery Corp.

Conduits, Electric
Bruce Co., Inc., *Distr.*
Hendrie & Bolthoff Co., *Distr.*

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Diehl Pump & Supply Co., Inc.
Gardenhire Bros., Inc., *Distr.*
Gifford-Hill-American, Inc.
Keys Well Drilling Co.
Lauman, C. W., & Co., Inc.
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Miller, J. P., Artesian Well Co.

(*Continued on page 12*)

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15 Years' Experience. This Project coated with Barrett Enamel and using complementary electrical drainage is in perfect condition.

LONG TERM ECONOMICS

demand long life and low cost protection

Because they possess ability to resist moisture absorption and because they are unaffected by the changes in moisture content of soils, Barrett*Coal-tar Enamels provide positive and long-lasting stability of insulation.

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Pitt Construction Co., *p. 67*
Pittsburgh-Des Moines Steel Co.
Republic Steel Corp.
Rinbrand Well Drilling Co., Inc.
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Stuart Corp.
Tagco, Inc., *Distr.*
Varner Well Drilling Co.

Contractors, Well Drilling
Diehl Pump & Supply Co., Inc.
Gardenhire Bros., Inc., *Distr.*
Keys Well Drilling Co.
Lauman, C. W., & Co., Inc.
Layne & Bowler, Inc., *Distr.*
McCarthy Well Co., *Distr.*
Miller, J. P., Artesian Well Co.
Rinbrand Well Drilling Co., Inc.
Varner Well Drilling Co.

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Automatic Control Co.
Automatic Pump & Softener Corp., *Distr.*
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Grinnell Co., Inc., *Distr.*
Grove Regulator Co.
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Kenwell Corp., *Distr.*
Natural Gas Equipment, Inc., *Distr.*
Refinite Corp., *Distr.*
Ross Valve Mfg. Co.
San Antonio Machine & Supply Co., *Distr.*
Sherman Machine & Iron Works, *Distr.*
Simplex Valve & Meter Co.
Spokane Utility Supplies Co., Inc., *Distr.*
Viking Supply Co., *Distr.*
Westinghouse Electric Corp.

Controllers, Motor and Electric
Allis-Chalmers Mfg. Co.
Cutler-Hammer, Inc.
Hendrie & Bolthoff Co., *Distr.*
Refinite Corp., *Distr.*
San Antonio Machine & Supply Co., *Distr.*

Controllers, Pressure
Automatic Control Co.
Automatic Pump & Softener Corp., *Distr.*
Cutler-Hammer, Inc.
Grinnell Co., Inc., *Distr.*
Grove Regulator Co.
Natural Gas Equipment, Inc., *Distr.*
Pelton Water Wheel Co., The
Refinite Corp., *Distr.*
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Spokane Utility Supplies Co., Inc., *Distr.*

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Sherman Machine & Iron Works, *Distr.*
Simplex Valve & Meter Co.
Sparling, R. W.

Conveyors
American Well Works
Chain Belt Co.
Hendrie & Bolthoff Co., *Distr.*
Morse Boulger Destructor Co.
San Antonio Machine & Supply Co., *Distr.*
Stuart Corp., *Distr.*
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Sunroc Refrigeration Co.

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Klenzade Products, Inc., *Distr.*
Opalco Laboratory, The, *Distr.*
Phipps & Bird, Inc., *Distr.*

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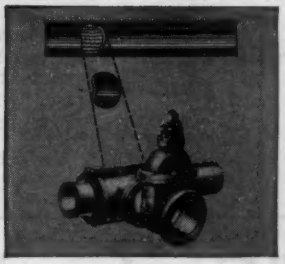
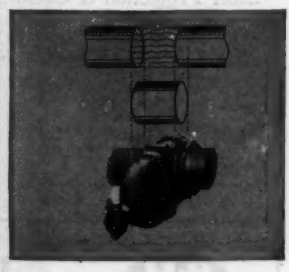
Fire Hydrants, of the compression type featuring Protectop collision protection, frost-proof tapered barrel, and positive action drain.

Gate Valves, for low, medium or high pressure service. Manual, hydraulic cylinder, or motor operation.



Tapping Sleeves and Valves, for making branch connections (sizes 2" thru 42") under pressure to cast iron, steel, asbestos-cement or reinforced concrete pipe of any size.



Inserting Valves, for installation under pressure in cast iron, steel or asbestos-cement pipe. Sizes 4" thru 48".

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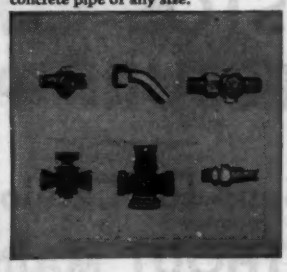
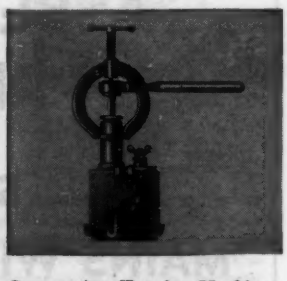


Water Service Brass Goods: corporation—curb cocks, couplings and other fittings for copper tube, lead and iron pipe services.



Corporation Tapping Machines. With the SMITH Tapping Machines corporation cocks can be installed under pressure. The machine is compact and easy to operate.

*** Water works material of proven quality**

13

FIRE HYDRANTS
GATE VALVES
CHECK VALVES
INSERTING VALVES
TAPPING SLEEVES AND VALVES
WATER SERVICE BRASS

THE A. P. SMITH MFG. CO.

EAST ORANGE NEW JERSEY

FLOOR STAND
INDICATOR POSTS
TAPPING MACHINES
INSERTING MACHINES
PIPE CUTTING MACHINES

(*Continued from page 12*)

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Electro Rust-Proofing Corp. (N.J.)
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Maintenance Engineering Corp., *Distr.*
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Steel Protection & Chemical Co., Inc.

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Chain Belt Co.
Crane Co., *Distr.*
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Fairbanks, Morse & Co.
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Hendrie & Bolthoff Co., *Distr.*
Howard Supply Co., *Distr.*
Municipal Supply Co., *Distr.*
San Antonio Machine & Supply Co., *Distr.*
Spokane Utility Supplies Co., Inc., *Distr.*
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Clow, James B., & Sons
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Farnan Brass Works Co., The
Fraser Utility Supply Co., *Distr., p. 23*

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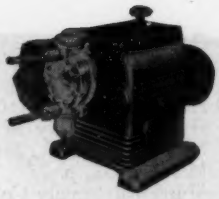
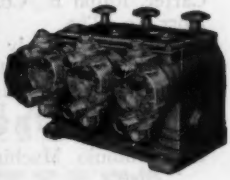


Heavy Duty Chem-O-Feeder
0-8 gal./hr. 0-100 lbs./sq. in.

Duplex Chem-O-Feeder
0-16 gal./hr. 0-100 lbs./sq. in.



Triplex Chem-O-Feeder
0-24 gal./hr. 0-100 lbs./sq. in.

DIAPHRAGM AND PLUNGER TYPE LIQUID PROPORTIONING PUMPS
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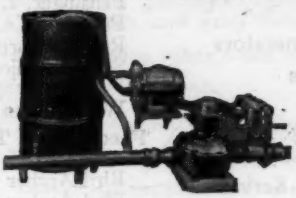
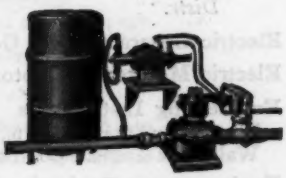
MANUALLY ADJUSTABLE AND AUTOMATIC PROPORTIONAL UNITS
DESIGNS FOR HIGH OR LOW PRESSURE

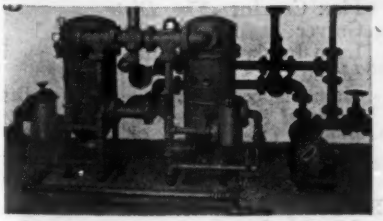
High Pressure Midget Chlor-O-Feeder
0-6 gal./hr. 30-200 lbs./sq. in.



Low Pressure Automatic and Proportional Chem-O-Feeder
0-5 gal./hr. 4-100 lbs./sq. in.



High Pressure Automatic and Proportional Chem-O-Feeder
0-5 gal./hr. 30-200 lbs./sq. in.



PUR-O-CEL DIATOMACEOUS EARTH FILTER

%Proportioneers% new Pur-O-Cel Diatomaceous Earth Filter has outstanding advantages: It utilizes thin mats of interlaced particles of diatomaceous earth instead of the conventional sand filter bed and produces unusually clean, brilliant water even at rapid flow rates. Filtering efficiency is so high that amoebic dysentery cysts and many bacteria are removed. The filter is exceptionally compact and easy to operate. With Pur-O-Cel, filtering becomes a simple, mechanical operation. Write for Bulletin 1550.

Bring us your water treating and proportioning problems

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(*Continued from page 14*)

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Hays Mfg. Co., *p. 27*
Hendrie & Bolthoff Co., *Distr.*
Hydraulic Supply Mfg. Co., *Distr.*
McDonald, A. Y., Mfg. Co.
Mueller Co., *p. 35*
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Pensinger, L. C., & Son, *Distr.*
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San Antonio Machine & Supply Co.
Sherman Machine & Iron Works, *Distr.*
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Trinity Valley Iron & Steel Co.
Spokane Utility Supplies Co., Inc., *Distr.*
Terminal City Iron Works, Ltd.
Valvco, Ltd.
Viking Supply Co., *Distr.*

Diaphragms, Pump
Carter, Ralph B., Co.
Dorr Co., The
Hardware & Supply Co., The, *Distr.*
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Klenzade Products, Inc.
Lapp Insulator Co., Inc.
Pensinger, L. C., & Son, *Distr.*
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Drills, Rock
Hardware & Supply Co., The, *Distr.*
Hendrie & Bolthoff Co., *Distr.*
San Antonio Machine & Supply Co., *Distr.*

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Worthington Pump & Machinery Corp.

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San Antonio Machine & Supply Co., *Distr.*
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Automatic Pump & Softener Corp.
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Gardenhire Bros., Inc., *Distr.*
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Ross Valve Mfg. Co.
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Sherman Machine & Iron Works, *Distr.*
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Refinite Corp.
San Antonio Machine & Supply Co., *Distr.*
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Bird-Archer Co., The
Bird-Archer Co., Ltd., The

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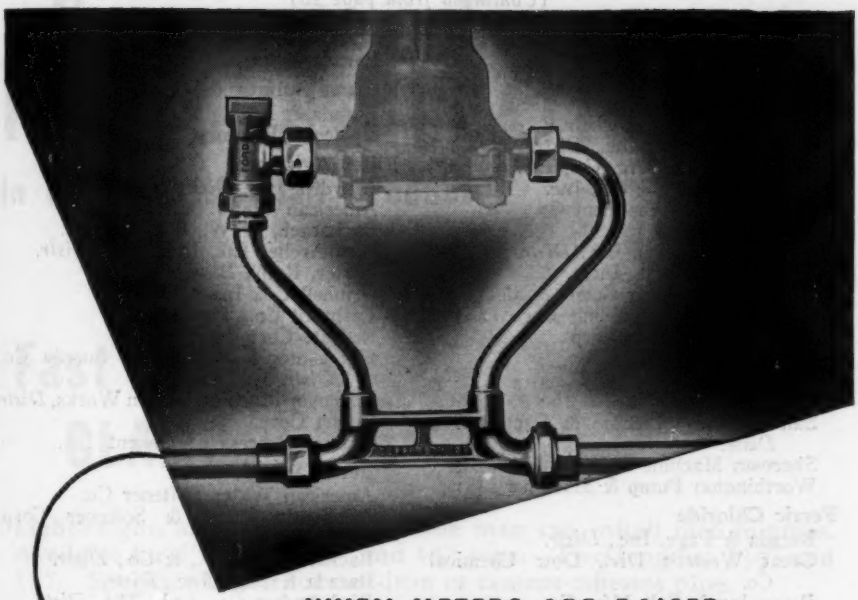

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LOWER INSTALLATION COSTS

Ford Coppersetters save many fittings and much cutting and threading labor when meters are raised above service line levels.

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Roberts Filter Mfg. Co.
San Antonio Machine & Supply Co., *Distr.*
Sherman Machine & Iron Works, *Distr.*
Worthington Pump & Machinery Corp.

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Stuart Corp.
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FOUR RELIABLE PROTECTIVE COATINGS

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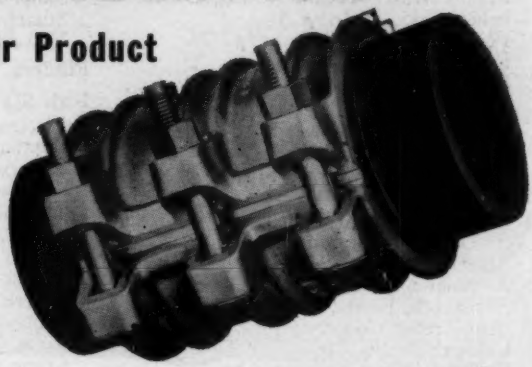

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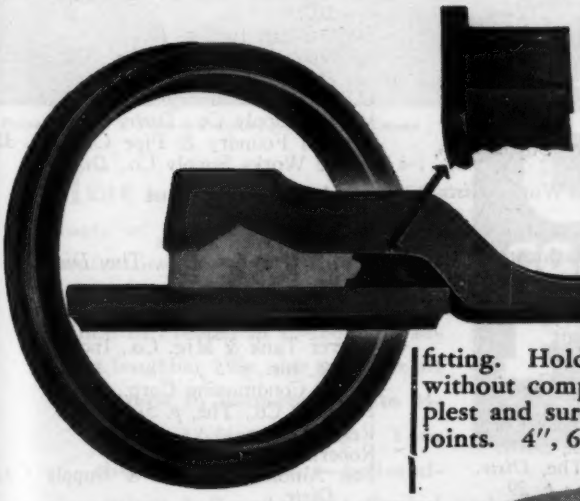
Lightweight, all-bronze clamp. One man can install in 6 minutes. Available for 4", 6", 8", 10" and 12" pipe. Two lengths: 7½" and 15". Specify whether for cast-iron or cement-asbestos pipe.



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for packing bell and spigot cast-iron pipe joints. Made of molded rubber; no culture point for bacteria. No cutting, no fitting. Holds 40-60 lbs. pressure without compound. Fastest, simplest and surest way to pour dry joints. 4", 6", 8", 10", 12".

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Flexible couplings for steel, cast-iron and cement-asbestos pipe . . . Flexible Tee couplings . . . Flexible reducing or adapter couplings . . . Flexible cut-in couplings . . . Flexible meter couplings . . . Flexible boltless couplings (for services) . . . Full circle clamp couplings . . . Fast Action Clamp repair . . . Leak clamps . . . Sheet rubber packing . . . Water-Lock Rings.

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Refinite Corp.
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Sherman Machine & Iron Works, *Distr.*
Stuart Corp.
Walker Process Equipment, Inc.

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Automatic Pump & Softener Corp.
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Bird-Archer Co., Ltd., The, *Distr.*
Culligan Zeolite Co.
Everson Mfg. Corp.
Graver Tank & Mfg. Co., Inc.
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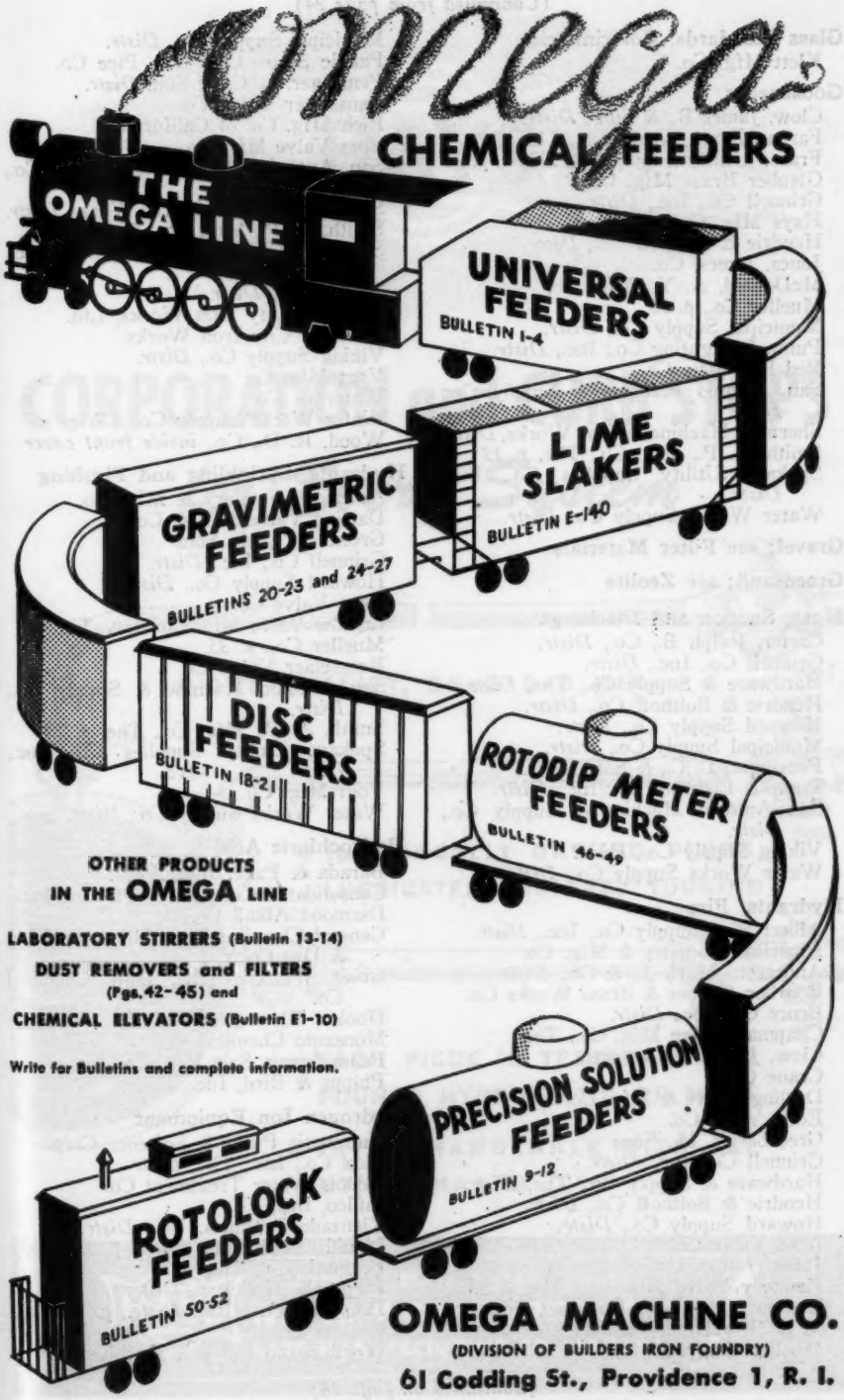

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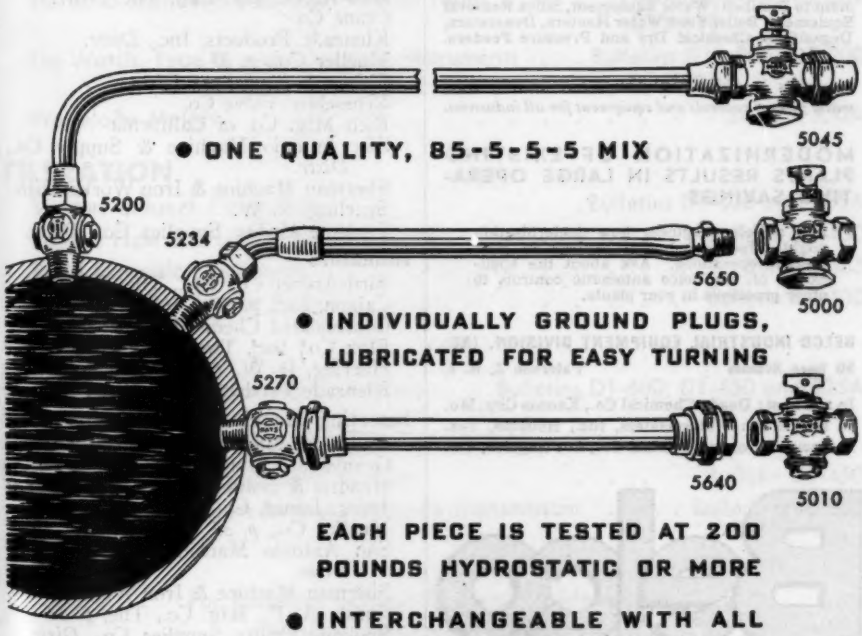

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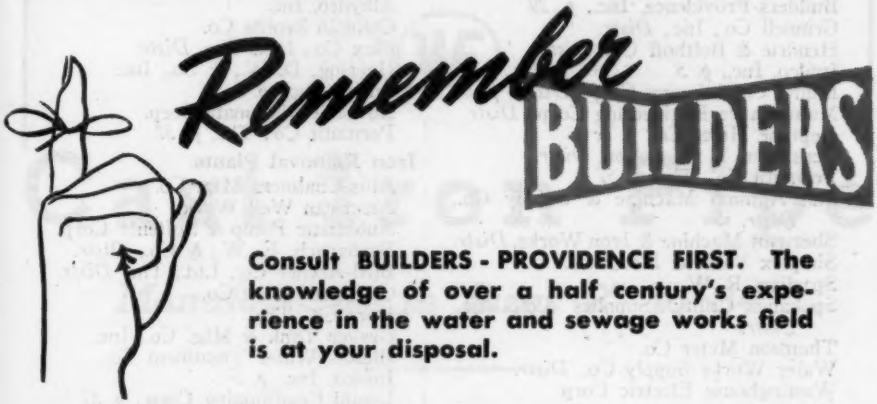

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A. D. COOK, INCORPORATED

LAWRENCEBURG, INDIANA

EZ Vertical Turbine Head

VERTICAL TURBINE PUMPS

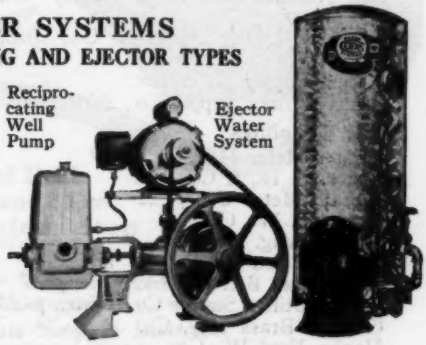
EZ Turbine Head pictured, with modern, streamlined appearance and design for maximum strength, flexibility and easy maintenance is the surface component of the basic segments combined to assemble a complete turbine.

Complete turbine is available to the field from standard production, in capacity and sizes from 10 to 10,000 gpm.

WATER SYSTEMS

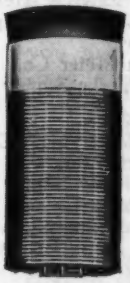
RECIPROCATING AND EJECTOR TYPES

Within a capacity range of 1 gpm to 4000 gph, there is a Cook water system offered in both complete package unit for domestic applications, or a pump specification for special industrial uses.



TUBE STRAINER

WW STRAINER



WELL STRAINERS

Cook tube type and WW wire-wound type strainers are famous for unobstructed water-way, either by slot cut with specialized machinery in the tubular type or accurate openings provided with the wire-wound production equipment—all of this accomplished with unusual strength maintained.

Type WW wire-wound strainer is available in red brass, silicon bronze, stainless steel, and Armco iron, for any well from 2" to 40" in diameter.

COOK WELL SUPPLIES

The Cook Working Barrel pictured is the cased type—steel pipe outer casing and brass-lined. In addition to the complete range of sizes and types of this construction, we offer working barrels of all-brass construction.

The package of Cook Cup Leathers is a reminder of the many other water well supply items we offer the trade.

Genuine Cook Octagon and Rectangular Wood Pump Rod

Available in our standard solid material or in the premium laminated wood.

PHONE OR WRITE FOR FULL INFORMATION, PRICES AND DISCOUNTS

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Pre-determined Results Through Controlled Accuracy!

The Mueller Combined Drill and Tap Threads and The Mueller Corporation Stop Threads are "*mated*" — They are both manufactured to the same exacting specifications! Consequently, when a Mueller Corporation Stop is inserted by means of a Mueller Tapping Machine, you are assured of accurate alignment, easy run-up to engage the maximum number of threads, and a lasting, leak-proof joint.

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Sherman Machine & Iron Works, *Distr.*
Simplex Valve & Meter Co.
Sparling, R. W.
Spokane Utility Supplies Co., Inc., *Distr.*
Tagco, Inc., *Distr.*
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Viking Supply Co., *Distr.*
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Worthington Pump & Machinery Corp.

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Chain Belt Co.
Dorr Co., The
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Stuart Corp.
Walker Process Equipment, Inc.
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Burroughs Adding Machine Co.

Ozonation Equipment
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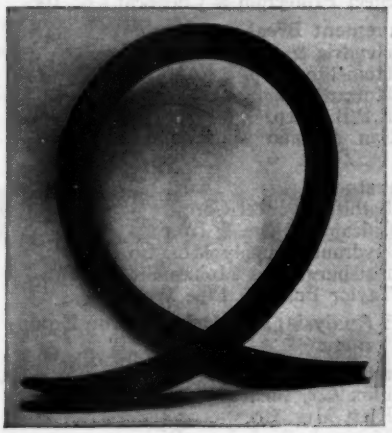
BOND-O

RUBBER PACKING GASKETS



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- EACH SIZE FITS ANY CLASS OF PIPE
- MADE IN SIZES FOR 4″ TO 14″ PIPE
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- SCARF JOINT CAULKS EASILY IN PLACE
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EVERY BOND-O JOINT IS A GOOD JOINT

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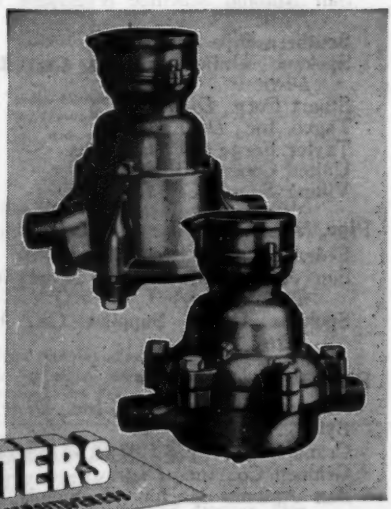
"Condition of meter deciding factor in award of our business to Badger"

"The excellent condition of this meter, examined after 12 years of service, was one of the deciding factors in the award of our business to your company" wrote a prominent waterworks official.

There's a Badger Meter size and type for every waterworks service. More than 3-million satisfied users in over 5,000 communities prove "It pays to BUY BADGER."

Every waterworks superintendent should have a copy of our new chart: "Table for Determining Service-Pipe and Meter Sizes", No. 676 (no charge).



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Stuart Corp., *Distr.*
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United Concrete Pipe Corp.
Viking Supply Co., *Distr.*

Pipe, Wood
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San Antonio Machine & Supply Co., *Distr.*
Spokane Utility Supplies Co., Inc., *Distr.*

Pipe, Wrought-Iron
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PRELOAD PRESTRESSED CONCRETE TANKS ARE IMMEDIATELY AVAILABLE FOR A WIDE VARIETY OF SERVICES—WITH ECONOMY IN DESIGN AND CONSTRUCTION AND WITH LOWEST COMPARATIVE LONG-TERM MAINTENANCE COSTS

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The Preload Pacific Corporation
333 Kearney St., San Francisco

The Preload Co. of Canada, Ltd.
7325 Decarie St., Montreal, Que.

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Sherman Machine & Iron Works, *Distr.*
Smith, A. P., Mfg. Co., The, *p. 13*
Spokane Utility Supplies Co., Inc., *Distr.*
Tagco, Inc., *Distr.*
Taylor Forge & Pipe Works
Traverse City Iron Works, *Distr.*
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Atlas Foundry & Machine Co.
Central Foundry Co., The
Chase Brass & Copper Co.
Clow, James B., & Sons
Crane Co.
Dayton Foundry
Dresser Mfg. Div.
Glamorgan Pipe & Foundry Co.
Greenberg's, M., Sons
Grinnell Co., Inc., *Distr.*
Hays Mfg. Co., *p. 27*
Hendrie & Bolthoff Co., *Distr.*
Howard Supply Co., *Distr.*
Jones, James, Co.
Kennedy Valve Mfg. Co., The, *p. 55*
Lead Lined Iron Pipe Co.
Lynchburg Foundry Co.
M & H Valve & Fittings Co.
McWane Cast Iron Pipe Co.
Mueller Brass Co.
Multiplex Mfg. Co.
Municipal Supply Co., *Distr.*
Pacific States Cast Iron Pipe Co.
Pump & Lighting Co., Inc., *Distr.*
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Rich Mfg. Co. of California
San Antonio Machine & Supply Co., *Distr.*
Sherman Machine & Iron Works, *Distr.*
Smith-Blair, Inc., *p. 19*
Southern Pipe & Casing Co.
Spokane Utility Supplies Co., Inc., *Distr.*
Tagco, Inc., *Distr.*
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Traverse City Iron Works
Trinity Valley Iron & Steel Co.
U.S. Pipe & Foundry Co., *p. 21*
Viking Supply Co., *Distr.*
Warren Foundry & Pipe Corp., *p. 31*
Water Works Supply Co., *Distr.*
Wood, R. D., Co., *inside front cover*

Pipe Jointing Materials; see Jointing Materials

Pipe Joints, Mechanical; see Joints

Pipe Locators
Ellis & Ford Mfg. Co., *Distr.*
Fisher Research Laboratory, Inc.
Goldak Co., The
Municipal Supply Co., *Distr.*
Pollard, Joseph G., Co., Inc., *Distr.*
San Antonio Machine & Supply Co., *Distr.*
Spokane Utility Supplies Co., Inc., *Distr.*
Water Leak Detector Co.
Water Works Supply Co., *Distr.*

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Pitometer Co., The, *p. 67*
Simplex Valve & Water Co.

Pitot Rods
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Simplex Valve & Meter Co.

Plugs, Removable
Clow, James B., & Sons
Crane Co.
Grinnell Co., Inc., *Distr.*
Howard Supply Co., *Distr.*
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Water Works Supply Co., *Distr.*

Potentiometers; see Meters, Electric

Pressure Regulators
Automatic Control Co.
Automatic Pump & Softener Corp., *Distr.*
Cutler-Hammer, Inc.
Grinnell Co., Inc., *Distr.*
Grove Regulator Co.
Hendrie & Bolthoff Co., *Distr.*
Howard Supply Co., *Distr.*
Kenwell Corp., *Distr.*
Mueller Co., *p. 35*
Municipal Supply Co., *Distr.*
Natural Gas Equipment, Inc.
Pensinger, L. C., & Son, *Distr.*
Ross Valve Mfg. Co.
San Antonio Machine & Supply Co., *Distr.*
Sherman Machine & Iron Works, *Distr.*
Spokane Utility Supplies Co., Inc., *Distr.*
Viking Supply Co., *Distr.*
Water Works Supply Co., *Distr.*

Primers, Pump
Chicago Pump Co.
De Laval Steam Turbine Co., *p. 45*
Valve & Primer Corp.

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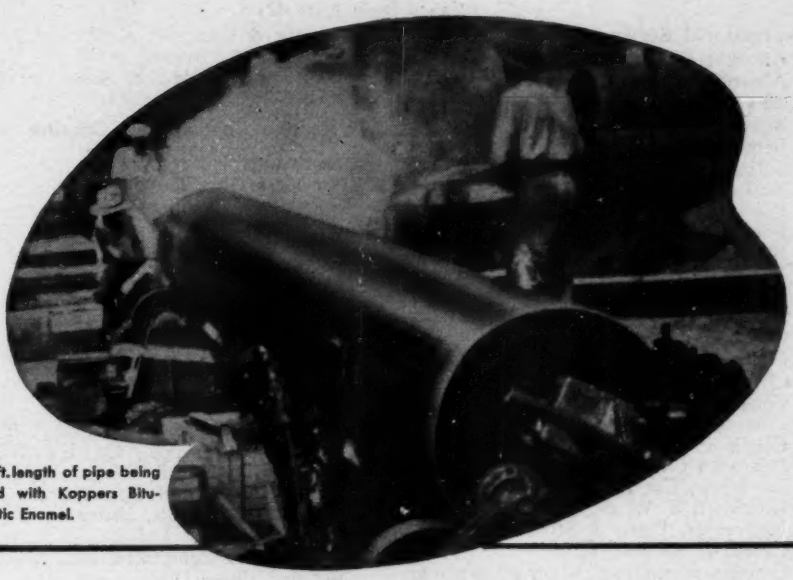

30-ft. length of pipe being lined with Koppers Bitumastic Enamel.

No perceptible change in this pipe's flow capacity after 16 years' service!

. . . another example of Bitumastic protection.*

In 1932, a 10-mile, 30-inch steel pipe-line was laid in Schuylkill County, Pa. by the Panther Valley Water Co., Lansford, Pa. Both interior and exterior were protected with Koppers Bitumastic Enamel.

Flow tests of this pipe-line—conducted over a period of 3 hours—gave coefficients of friction up to 145.8 (Williams & Hazen formula). Tests were again made after 8 years' continuous service, and the coefficients of friction varied between 145.5 and 151 . . . even better flow. And today, meter readings indicate that flow capacities are still equally high. The performance of Panther Valley's 16-year-old pipe-line is additional proof that Koppers Bitumastic Enamel provides long-lasting protection against corrosion, rust and tuberculation.

You can simplify your corrosion problems by writing our Contract Department. A complete protection service with trained supervision, skilled workmen and modern equipment is available on a contract basis.

KOPPERS

* Trade-Mark Reg. U. S. Pat. Off.

KOPPERS COMPANY, INC., DEPT. AWWA PITTSBURGH 19, PA.

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Black & Veatch, *p. 59*
Bogart-Childs Eng. Assoc., *p. 59*
Bowe, Albertson & Assoc., *p. 59*
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Burgess & Niple, *p. 61*
Burns & McDonnell Eng. Co., *p. 61*
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Couch & Kulin, *p. 61*
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Holmes & Narver, *p. 63*
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Publications
American City, The
Engineering News-Record
Public Works
Water and Sewage
Water & Sewage Works
Water Works Engineering
Western City

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Allis-Chalmers Mfg. Co.
Aurora Pump Co.
Bruce Co., Inc., *Distr.*
De Laval Steam Turbine Co., *p. 45*
Diehl Pump & Supply Co., Inc., *Distr.*
Fairbanks, Morse & Co.
Hendrie & Bolthoff Co., *Distr.*
Howard Supply Co., *Distr.*
Inglis, John, Co., Ltd.
Natural Gas Equipment, Inc., *Distr.*
Peerless Pump Div.
Pump & Lighting Co., Inc., *Distr.*
Refinite Corp., *Distr.*
Rinbrand Well Drilling Co., Inc., *Distr.*
San Antonio Machine & Supply Co., *Distr.*
Stannard Power Equipment Co., *Distr.*
Worthington Pump & Machinery Corp.

Pumps, Centrifugal
Allis-Chalmers Mfg. Co.
American Well Works
Aurora Pump Co.
Bruce Co., Inc., *Distr.*
Carter, Ralph B., Co.
De Laval Steam Turbine Co., *p. 45*
Diehl Pump & Supply Co., Inc., *Distr.*
Fairbanks, Morse & Co.
Gardenhire Bros., Inc., *Distr.*
Hendrie & Bolthoff Co., *Distr.*
Homelite Corp.
Howard Supply Co., *Distr.*
Inglis, John, Co., Ltd.
Lauman, C. W., & Co., Inc., *Distr.*
Lead Lined Iron Pipe Co.
Peerless Pump Div.
Pump & Lighting Co., Inc., *Distr.*
Refinite Corp., *Distr.*
Rinbrand Well Drilling Co., Inc., *Distr.*
San Antonio Machine & Supply Co., *Distr.*
Sherman Machine & Iron Works, *Distr.*
Stannard Power Equipment Co., *Distr.*
Worthington Pump & Machinery Corp.

Pumps, Chemical Feed
Allis-Chalmers Mfg. Co.
Automatic Pump & Softener Corp., *Distr.*
Bird-Archer Co., The, *Distr.*

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DE LAVAL STEAM TURBINE CO.

Main Office and Works: Trenton, N. J.

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Houston, Texas
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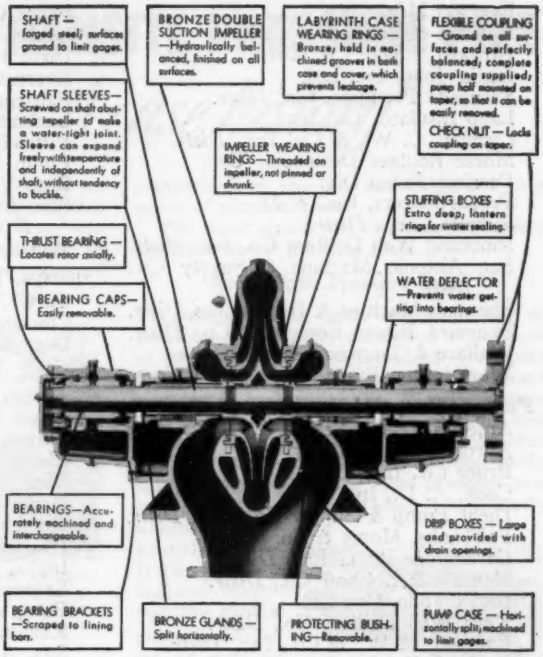
Los Angeles, Calif.
New Haven, Conn.
New Orleans, La.
New York, N. Y.
Philadelphia, Pa.
Pittsburgh, Pa.
Rochester, N. Y.
St. Paul, Minn.
Salt Lake City, Utah
San Francisco, Calif.
Seattle, Wash.
Tulsa, Okla.
Washington, D. C.
Edmonton, Alta.
Manila, P. I.
Toronto, Ont.
Vancouver, B. C.
Winnipeg, Man.



Single-stage pump

PRODUCTS

Steam Turbines: Pumps—Centrifugal; Propeller; Mixed-flow; Rotary Displacement; Centrifugal Blowers and Compressors; Helical Gears; Worm Gears; Hydraulic Turbines; Pump Priming Systems; and Flexible Couplings.

De Laval Geared Turbine Driven Centrifugal Pumps lift water at the lowest total cost, including operating expense and capital charges on machinery, foundations and buildings. The aggregate capacity of De Laval Pumps supplied to American water works exceeds 18 billion gallons per day, sufficient to supply the entire population.

De Laval Electric Motor Driven Centrifugal Pumps have a power limiting characteristic so that oversized motors are not necessary. The low starting torque also favors the use of self-starting synchronous motors. De Laval motor-driven centrifugal pumps have developed overall wire to water efficiencies of 88 per cent. High efficiency is sustained by the use of LABYRINTH WEARING RINGS.

The **De Laval Clogless Pump** for sewage has large, open, direct passages, of correct hydraulic design. The casing is split horizontally, making the interior quickly accessible without disturbing piping.

De Laval Propeller and Mixed Flow Pumps running at electric motor or steam turbine speeds deliver large volumes against heads up to 40 ft., with efficiencies comparable to those of centrifugal pumps.

De Laval Centrifugal Compressors are extensively used in the activated sludge process of sewage treatment.

All De Laval apparatus is built to limit gages on an interchangeable basis. Each unit is fully guaranteed as to head-delivery and efficiency characteristics.

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Bird-Archer Co., Ltd., The, *Distr.*
Dearborn Chemical Co.
Electric Chemical Co.
Everson Mfg. Corp.
Hendrie & Bolthoff Co., *Distr.*
Howard Supply Co., *Distr.*
Inglis, John, Co., Ltd.
Klenzade Products, Inc., *Distr.*
Lapp Insulator Co., Inc.
Lauman, C. W., & Co., Inc., *Distr.*
Morse Boulger Destructor Co.
Peerless Pump Div.
Proportioneers, Inc., *p. 15*
Refinite Corp., *Distr.*
Rinbrand Well Drilling Co., Inc., *Distr.*
San Antonio Machine & Supply Co., *Distr.*
Sherman Machine & Iron Works, *Distr.*
Stannard Power Equipment Co., *Distr.*
Wallace & Tiernan Co., Inc., *p. xvi*
Worthington Pump & Machinery Corp.

Pumps, Deep Well
American Well Works
Aurora Pump Co.
Bruce Co., Inc., *Distr.*
Cook, A. D., Inc., *p. 33*
Diehl Pump & Supply Co., Inc., *Distr.*
Fairbanks, Morse & Co.
Gardenhire Bros., Inc., *Distr.*
Hendrie & Bolthoff Co., *Distr.*
Inglis, John, Co., Ltd.
Keys Well Drilling Co., *Distr.*
Lauman, C. W., & Co., Inc., *Distr.*
Layne & Bowler, Inc.
McCarthy Well Co., *Distr.*
Miller, J. P., Artesian Well Cc., *Distr.*
Peerless Pump Div.
Pump & Lighting Co., Inc., *Distr.*
Rinbrand Well Drilling Co., Inc., *Distr.*
San Antonio Machine & Supply Co.
Sherman Machine & Iron Works, *Distr.*
Stannard Power Equipment Co., *Distr.*
Worthington Pump & Machinery Corp.

Pumps, Diaphragm
Carter, Ralph B., Co.
Diehl Pump & Supply Co., Inc., *Distr.*
Dorr Co., The
Hendrie & Bolthoff Co., *Distr.*
Howard Supply Co., *Distr.*
Inglis, John, Co., Ltd.
Klenzade Products, Inc., *Distr.*
Lapp Insulator Co., Inc.
Rinbrand Well Drilling Co., Inc., *Distr.*

Pumps, Hydrant
Hendrie & Bolthoff Co., *Distr.*
Howard Supply Co., *Distr.*
Pensinger, L. C., & Son, *Distr.*
Pollard, Joseph G., Co., Inc.
Rinbrand Well Drilling Co., Inc., *Distr.*
San Antonio Machine & Supply Co., *Distr.*
Waterous Co., *Distr.*

Pumps, Hydraulic Booster
American Well Works
Aurora Pump Co.
Bruce Co., Inc., *Distr.*
De Laval Steam Turbine Co.
Diehl Pump & Supply Co., Inc., *Distr.*
Everson Mfg. Corp., *Distr.*
Fairbanks, Morse & Co.
Lauman, C. W., & Co., Inc., *Distr.*
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Pump & Lighting Co., Inc., *Distr.*
Ross Valve Mfg. Co.
San Antonio Machine & Supply Co., *Distr.*
Worthington Pump & Machinery Corp.

Pumps, Plunger Sludge
Carter, Ralph B., Co.
Chicago Pump Co.
Dorr Co., The

Pumps, Portable
Aurora Pump Co.
Bruce Co., Inc., *Distr.*
Carter, Ralph B., Co.
Chain Belt Co.
Diehl Pump & Supply Co., Inc., *Distr.*
Hendrie & Bolthoff Co., *Distr.*
Homelite Corp.
Howard Supply Co., *Distr.*
Inglis, John, Co., Ltd.
Lauman, C. W., & Co., Inc., *Distr.*
Pump & Lighting Co., Inc., *Distr.*
Rinbrand Well Drilling Co., Inc., *Distr.*
San Antonio Machine & Supply Co., *Distr.*
Worthington Pump & Machinery Corp.

Pumps, Sewage
Allis-Chalmers Mfg. Co.
American Well Works
Aurora Pump Co.
Bruce Co., Inc., *Distr.*
Carter, Ralph B., Co.
De Laval Steam Turbine Co., *p. 45*
Diehl Pump & Supply Co., Inc., *Distr.*
Dorr Co., The
Fairbanks, Morse & Co.
Hendrie & Bolthoff Co., *Distr.*
Howard Supply Co., *Distr.*
Inglis, John, Co., Ltd.
Peerless Pump Div.
Pump & Lighting Co., Inc., *Distr.*
San Antonio Machine & Supply Co., *Distr.*
Sherman Machine & Iron Works, *Distr.*
Spokane Utility Supplies Co., Inc., *Distr.*
Worthington Pump & Machinery Corp.

Pumps, Sump
Allis-Chalmers Mfg. Co.
American Well Works
Aurora Pump Co.
Bruce Co., Inc., *Distr.*
Carter, Ralph B., Co.

(*Continued on page 48*)

Engineering Facts about

Johns-Manville TRANSITE PRESSURE PIPE

*Winnipeg: A case history**

IN 1932, Winnipeg, Manitoba, installed its first Transite Pressure Pipe. Part of this installation, consisting of an 18" line, was recently tested in field and laboratory to determine its condition after 14 years of service in an extremely corrosive soil.

Pitometer Flow Test

Before the pipe was removed for laboratory tests, its flow capacity was checked by the Pitometer Company. Velocities ranged from 1.1 to 1.9 feet per second and readings were taken at 30-second intervals. During each test, the velocity was held constant. Results were summarized by the Pitometer Company as follows:

Assembly of pipe and coupling being removed from the line for laboratory tests.

"The high value of C-140, which we believe is a reliable index of the present capacity of the pipe tested, shows that there has been little if any loss in capacity since 1932 when the pipe was laid."

Soil Conditions

This Transite Pipe was laid in soil known to be destructive to water pipe. Analysis showed the presence of certain soluble salts, which, when dissolved by ground water, became highly corrosive.

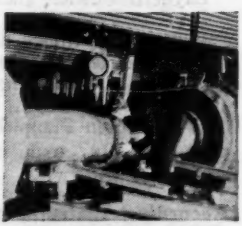
Readings being recorded during Pitometer flow tests on the line.

To determine how well the pipe had withstood these corrosive conditions and to estimate its life expectancy, sections of the pipe were removed from the line and subjected to a series of physical tests.

The most significant of these tests were the hydrostatic pressure tests.

Hydrostatic Pressure Tests

To simulate field conditions as closely as possible, an assembly consisting of portions of two lengths of pipe joined by a Simplex Coupling with rubber rings and sleeve intact was tested hydrostatically. Water pressure was raised to 260 psi—the original test pressure to which this pipe was subjected at the factory and 4 times the normal working pressure of the line. The pressure was held at 260 pounds while observers carefully examined the coupling for leakage. No leakage occurred. The rubber rings functioned as well as when the pipe was placed in service 14 years previously. Subsequent inspection and tests confirmed that they were free from any signs of deterioration.



The pipe and coupling undergoing pressure test.

Specimens of the Winnipeg pipe were also subjected to other laboratory tests. Crushing tests showed that the strength of this 14-year pipe compared favorably with that of new Transite Pressure Pipe manufactured today. A corporation stop pull-out test provided further verification that the strength of this pipe was in no way impaired.

Summary

The series of tests outlined above provided conclusive evidence that the strength, flow capacity and other physical characteristics of the Winnipeg pipe were unimpaired after 14 years' service under severe conditions. As the original report states, they demonstrated that "on the basis of the performance rendered to date, it is reasonable to anticipate a life-expectancy of many times that already obtained."

**A copy of the detailed performance report on this Transite Pipe installation is available on request. Address Johns-Manville, Box 290, N.Y. 16, N.Y.*

JOHNS-MANVILLE JM PRODUCTS

(*Continued from page 46*)

Cook, A. D., Inc., *p. 33*
Diehl Pump & Supply Co., Inc., *Distr.*
Fairbanks, Morse & Co.
Hendrie & Bolthoff Co., *Distr.*
Homelite Corp.
Howard Supply Co., *Distr.*
Inglis, John, Co., Ltd.
McDonald, A. Y., Mfg. Co.
Peerless Pump Div.
Pump & Lighting Co., Inc., *Distr.*
Rinbrand Well Drilling Co., Inc., *Distr.*
San Antonio Machine & Supply Co., *Distr.*
Sherman Machine & Iron Works, *Distr.*
Spokane Utility Supplies Co., Inc., *Distr.*
Worthington Pump & Machinery Corp.

Pumps, Turbine
American Well Works
Aurora Pump Co.
Cook, A. D., Inc., *p. 33*
Diehl Pump & Supply Co., Inc., *Distr.*
Fairbanks, Morse & Co.
Hendrie & Bolthoff Co., *Distr.*
Inglis, John, Co., Ltd.
Keys Well Drilling Co., *Distr.*
Lauman, C. W., & Co., Inc., *Distr.*
Layne & Bowler, Inc.
Peerless Pump Div.
Pump & Lighting Co., Inc., *Distr.*
Rinbrand Well Drilling Co., Inc., *Distr.*
San Antonio Machine & Supply Co.
Sherman Machine & Iron Works, *Distr.*
Worthington Pump & Machinery Corp.

Recarbonators; see Carbon Dioxide Generators

Recording Instruments
Builders-Providence, Inc., *p. 29*
Grinnell Co., Inc., *Distr.*
Hendrie & Bolthoff Co., *Distr.*
Howard Supply Co., *Distr.*
Infilco, Inc., *p. 5*
Liquid Conditioning Corp., *Distr., p. 51*
Maintenance Engineering Corp., *Distr.*
Neptune Meter Co., *p. ix*
Pensinger, L. C., & Son, *Distr.*
San Antonio Machine & Supply Co., *Distr.*
Sherman Machine & Iron Works, *Distr.*
Simplex Valve & Meter Co.
Sparling, R. W.
Spokane Utility Supplies Co., Inc., *Distr.*
Thomson Meter Co.
Water Works Supply Co., *Distr.*

Rectifiers
Alhydro, Inc., *Distr.*
Cutler-Hammer, Inc.
Electro Rust-Proofing Corp. (N.J.), *Distr.*
Westinghouse Electric Corp.

Refractories
Babcock & Wilcox Co., The
Carborundum Co., The
Hendrie & Bolthoff Co., *Distr.*
Pensinger, L. C., & Son, *Distr.*
San Antonio Machine & Supply Co., *Distr.*

Research Organizations
American Concrete Pipe Assn.
American Iron & Steel Inst.
Copper & Brass Research Assn.
Dorr Co., The
Lead Industries Assn.
Maintenance Engineering Corp.
Portland Cement Assn.
Refinite Corp.

Reservoirs
Bryant Water Tank Service, *p. 71*
Chicago Bridge & Iron Co.
Pittsburgh-Des Moines Steel Co.

Rust Prevention
Bird-Archer Co., The
Bird-Archer Co., Ltd., The
Briggs, W. A., Bitumen Co., *Distr.*
Calgon, Inc., *p. 53*
Culligan Zeolite Co.
Dearborn Chemical Co.
Electro Rust-Proofing Corp. (N.J.)
Haering, D. W., & Co., Inc.
Howard Supply Co., *Distr.*
Koppers Co., Inc., *p. 43*
Maintenance Engineering Corp., *Distr.*
Municipal Supply Co., *Distr.*
Refinite Corp.
Reilly Tar & Chemical Corp.
San Antonio Machine & Supply Co., *Distr.*
Simmer, H., & Co.
Steel Protection & Chemical Co., Inc.

Saddles, Service
Atlas Foundry & Machine Co.
Baker, R. H., & Co., Inc.
Dresser Mfg. Div.
Ellis & Ford Mfg. Co.
Farnan Brass Works Co., The
Fraser Utility Supply Co., *Distr., p. 23*
Greenberg's, M., Sons
Grinnell Co., Inc., *Distr.*
Hendrie & Bolthoff Co., *Distr.*
Howard Supply Co., *Distr.*
Jones, James, Co.
Mueller Co., *p. 35*
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Sherman Machine & Iron Works, *Distr.*
Skinner, M. B., Co.
Smith-Blair, Inc., *p. 19*
Spokane Utility Supplies Co., *Distr.*
Taylor Forge & Pipe Works
Terminal City Iron Works, Ltd.
Viking Supply Co., *Distr.*
Water Works Supply Co., *Distr.*

(*Continued on page 50*)

GENERAL CHEMICAL "ALUM"

... Equally Efficient for Coagulation of WATER and SEWAGE!

FOR WATER WORKS

1. Produces crystal clear water.
2. Gives better floc formation.
3. Promotes better settling and longer filter runs.
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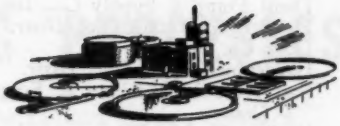

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Dayton Foundry
Dresser Mfg. Div.
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Hendrie & Bolthoff Co., *Distr.*
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Kenwell Corp., *Distr.*
Mueller Co., *p. 35*
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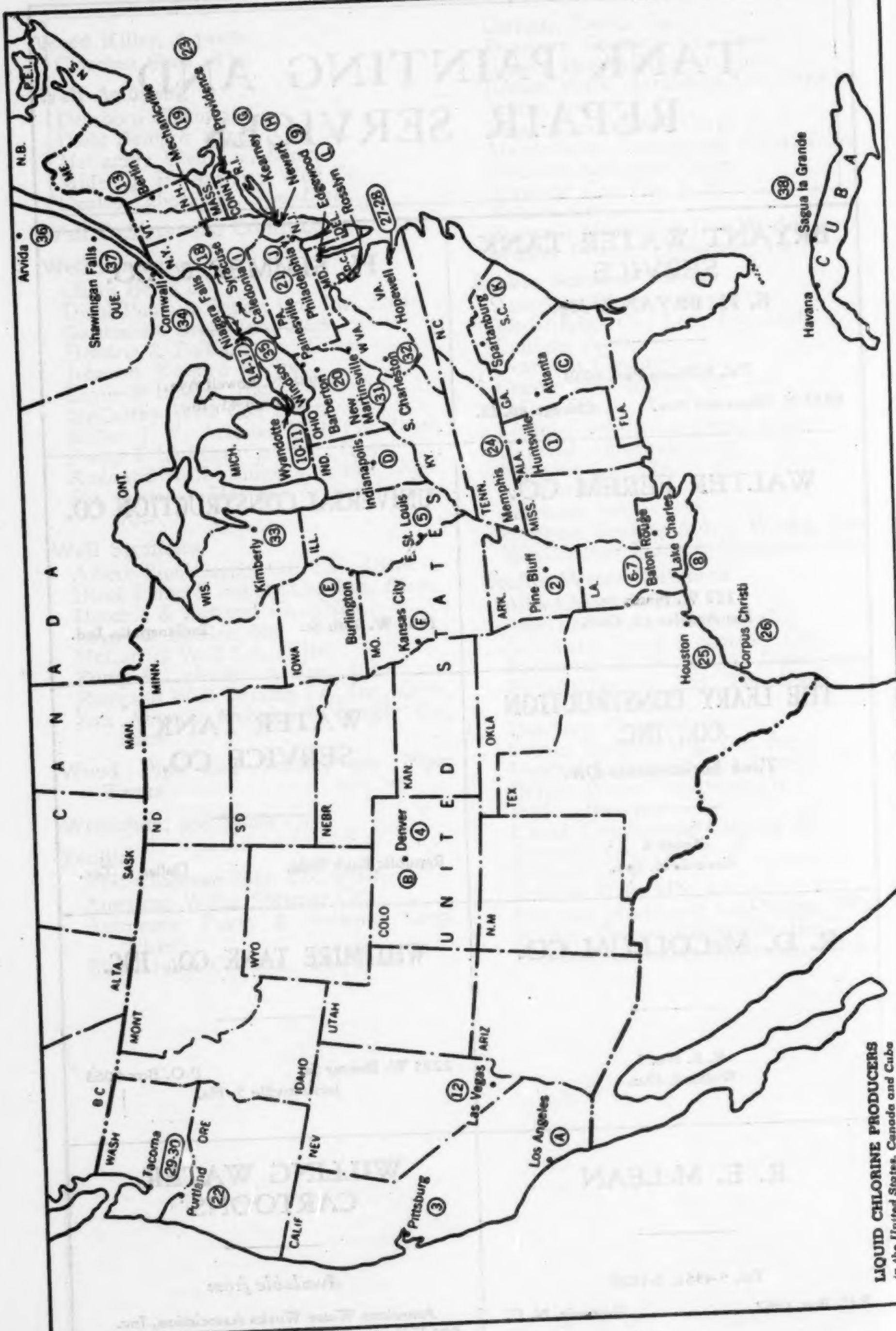

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in the United States, Canada and Cuba

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Information compiled by the Chlorine Institute and current September 1948

State	Map Location		Producer	Telephone	Containers Filled*
			United States		
Alabama	Huntsville	1	Chemical Corps (Leased to the Solvay Process Div., Allied Chemical & Dye Corp.)	Huntsville 1980	—
Arkansas	Pine Bluff	2	Chemical Corps (Leased to Diamond Alkali Co.)	Pine Bluff 4936	T
California	Pittsburg	3	Great Western Div., The Dow Chemical Co.	Pittsburg 1400	C, T
Colorado	Denver	4	Chemical Corps (Leased to Colorado Fuel & Iron Co.)	Keystone 1192	T
Illinois	E. St. Louis	5	Monsanto Chemical Co.	East 3205	C, T
Louisiana	Baton Rouge	6	Ethyl Corp.	Baton Rouge 6161	—
	Baton Rouge	7	The Solvay Process Div., Allied Chemical & Dye Corp.	Baton Rouge 5241	C, T
	Lake Charles	8	Southern Alkali Corp.	Lake Charles 7522	C, T
Maryland	Edgewood	9	Chemical Corps (Leased to Diamond Alkali Co.)	Edgewood 1000	T
Michigan	Wyandotte	10	Pennsylvania Salt Mfg. Co.	Wyandotte 1560	C, T
	Wyandotte	11	Wyandotte Chemicals Corp.	Wyandotte 1700	—
Nevada	Las Vegas	12	Basic Magnesium Corp. (Chlorine Plant Leased to Stauffer Chemical Co. of Nevada, Inc.)	Henderson 537	—
New Hampshire	Berlin	13	Brown Co.	Berlin 46	C, T
New York	Niagara Falls	14	Hooker Electrochemical Co.	Niagara Falls 6655	C, T
	Niagara Falls	15	Mathieson Chemical Corp.	Niagara Falls 9131	C, T
	Niagara Falls	16	Niagara Alkali Co.	Niagara Falls 8281	C, T
	Niagara Falls	17	Stauffer Chemical Co.	Niagara Falls 8261	—
	Syracuse	18	The Solvay Process Div., Allied Chemical & Dye Corp.	Syracuse 8-1611	C, T
	Mechanicville	19	West Virginia Pulp & Paper Co.	Mechanicville 144	—
Ohio	Barberton	20	Columbia Chemical Div., Pittsburgh Plate Glass Co.	Sherwood 1131	C, T
	Painesville	21	Diamond Alkali Co.	Painesville 3512	C, T
Oregon	Portland	22	Pennsylvania Salt Mfg. Co. of Washington	Beacon 3165	C, T
Rhode Island	Providence	23	Fields Point Mfg. Corp.	Hopkins 6720	C
Tennessee	Memphis	24	Heyden Chemical Corp.	Memphis 34 4401	C
Texas	Houston	25	Diamond Alkali Co.	Wentworth 3-4691	C, T
	Corpus Christi	26	Southern Alkali Corp.	Corpus Christi 4301	C, T
Virginia	Hopewell	27	Hercules Powder Co.	Hopewell 821	—
	Hopewell	28	The Solvay Process Div., Allied Chemical & Dye Corp.	Hopewell 871	C, T
Washington	Tacoma	29	Hooker Electrochemical Co.	Broadway 1215	C, T
	Tacoma	30	Pennsylvania Salt Mfg. Co. of Wash.	Main 9101	C, T
West Virginia	New Martinsville	31	Columbia Chemical Div., Pittsburgh Plate Glass Co.	New Martinsville 640	C, T
	S. Charleston	32	Westvaco Chemical Div., Food Mchy. & Chemical Corp.	S. Charleston 4121	C, T
Wisconsin	Kimberly	33	Kimberly-Clark Corp.	Neenah 2800	—
			Canada		
Ontario	Cornwall	34	Canadian Industries, Ltd.	Cornwall 1424	—
	Windsor	35	Canadian Industries, Ltd.	Windsor 3-7481	C, T
Quebec	Arvida	36	Aluminum Co. of Canada, Ltd.	Arvida 301	—
	Shawinigan Falls	37	Canadian Industries, Ltd.	S. F. 6623	—
			Cuba		
Santa Clara Prov.	Sagua la Grande	38	Electro-Quimica de Sagua		C

Liquid Chlorine Repackagers

State	Map Location		Repackager	Telephone	Containers Filled*
California	Los Angeles	A	Great Western Div., The Dow Chemical Co.	Angeles 4139	C, T
Colorado	Denver	B	Denver Fire Clay Co.	Tabor 0251	C
Georgia	Atlanta	C	Mathieson Chemical Corp.	Lamar 8491	C
Indiana	Indianapolis	D	John Wiley Jones Co.	Franklin 3133	C, T
Iowa	Burlington	E	McKesson & Robbins	Burlington 410	C
Missouri	Kansas City	F	Thompson-Hayward Chemical Co.	Talbot 2473	C
New Jersey	Kearny	G	Marzahl Chemical Co.	Market 3-0903	C, T
	Newark	H	E. M. Sergeant Pulp & Chemical Co.	Market 2-5346	C
New York	Caledonia	I	John Wiley Jones Co.	Caledonia 84	C, T
Pennsylvania	Philadelphia	J	Pennsylvania Salt Mfg. Co.	Locust 7-1700	C, T
South Carolina	Spartanburg	K	Moreland Chemical Co.	Spartanburg 4843	C
Virginia	Rosslyn	L	Peebles Chemical Co.	Union 2525	C

* C—Cylinders; T—Ton Containers.

The Water Supply Library

The list of books which follows is not intended as a complete bibliography on water supply. It is merely a checklist of certain selected books, currently available, which have been found useful and valuable to the field. Inevitably gaps and omissions will be found, but the list is based on the proven worth of, and continuing interest in, these titles. For greater usefulness, the list has been subdivided into four major and thirteen minor categories, shown in bold-face type. Within each section, the books are listed alphabetically by author.

Books may be obtained from the publisher or through local booksellers. The A.W.W.A. does not undertake to accept orders for any books but those published by it. For the purchaser's information, the complete address of every publisher represented in the list is given on page 79. The prices given were current at the time the list was compiled, but are subject to subsequent change. Some of the professional organizations offer discounts on the list prices of books they publish to their own members; only list prices are given below. A separate and complete list of A.W.W.A. publications appears on page 283.

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ENGINEERING AND TECHNOLOGY

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Fire Engine Tests and Fire Stream Tables. National Board of Fire Underwriters, New York (4th ed., 1931) 20¢; free to officers and pump operators

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LOGAN, KIRK H. *Underground Corrosion.* National Bureau of Standards, Washington, D.C. (1945) $1.25 [available as Catalog No. C13.4:450 from Supt. of Documents, Washington, D.C.]

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BAVER, L. D. *Soil Physics.* John Wiley & Sons, New York (1948) $4.75

CREAGER, WILLIAM P.; JUSTIN, JOEL D.; & HINDS, JULIAN. *Engineering for Dams.* John Wiley & Sons, New York. *Vol. I—General Design* (1945) $5; *Vol. II—Concrete Dams* (1945) $6.50; *Vol. III—Earth, Rock-Fill, Steel and Timber Dams* (1945) $6.50

HANNA, FRANK W. & KENNEDY, ROBERT C. *Design of Dams.* McGraw-Hill Book Co., New York (2nd ed., 1938) $5.50

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JACOBY, HENRY S. & DAVIS, ROLAND P. *Foundations of Bridges and Buildings.* McGraw-Hill Book Co., New York (1941) $5.50

JUSTIN, JOEL D. *Earth Dam Projects.* John Wiley & Sons, New York (1932) $5.50

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TERZAGHI, KARL & PECK, RALPH B. *Soil Mechanics in Engineering Practice.* John Wiley & Sons, New York (1948) $5.50

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GAFFERT, GUSTAF A. *Steam Power Stations.* McGraw-Hill Book Co., New York (3rd ed., 1946) $5.50

WOODRUFF, EVERETT B. & LAMMERS, H. B. *Steam Plant Operation.* McGraw-Hill Book Co., New York (1935) $4

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Accounting for Government Supplies. Procedural Bulletin, Municipal Finance Officers Assn., Chicago (1940) 50¢

Accounting for Government-Owned Motor Equipment. Procedural Bulletin, Municipal Finance Officers Assn., Chicago (1940) 50¢

ALLEN, C. FRANK. *Business Law for Engineers.* McGraw-Hill Book Co., New York (3rd ed., 1929) $4.50

BARNES, ROBERT S. *Fire Insurance for Local and State Governments.* Municipal Finance Officers Assn., Chicago (1945) $1

CHATTERS, CARL H. & HILLHOUSE, ALBERT M. *Local Government Debt Administration.* Prentice-Hall, Inc., New York (1939) $5

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Government Timekeeping and Payroll Procedure. Procedural Bulletin, Municipal Finance Officers Assn., Chicago (1940) 50¢

HARDING, C. FRANCIS & CANFIELD, DONALD T. *Business Administration for*

Engineers. McGraw-Hill Book Co., New York (1937) $5.50

MacDonald, Austin F. *American City Government.* Thomas Y. Crowell Co., New York (4th ed., 1946) $4

Manual of Water Works Accounting. Municipal Finance Officers Assn., Chicago; and American Water Works Assn., New York (1938) $3.20 to A.W.W.A. Members; $4 to others

Retirement Plans for Public Employees. Municipal Finance Officers Assn., Chicago (1946) $1

Robinson, S. B. *Financing Through Revenue Bonds.* Report No. 107, National Inst. of Municipal Law Officers, Washington, D.C. (1944) $2

Rhyne, Charles S. *Labor Unions and Municipal Employee Law.* Report No. 116, National Inst. of Municipal Law Officers, Washington, D.C. (1946) $10

Steel, Ernest W. *Municipal Affairs.* International Textbook Co., Scranton, Pa. (1941) $4

Tenner, Irving. *Financial Administration of Municipal Utilities.* No. Sp40, Public Administration Service, Chicago (1947) $3.75

Alphabetical List of Publishers

American Assn. for the Advancement of Science, 1515 Massachusetts Ave., N.W., Washington 5, D.C.

American City Magazine Corp., 470 Fourth Ave., New York 16, N.Y.

American Public Health Assn., 1790 Broadway, New York 19, N.Y.

American Society for Metals, 7301 Euclid Ave., Cleveland 3, Ohio

American Society for Testing Materials, 1916 Race St., Philadelphia, Pa.

American Society of Mechanical Engineers, 29 W 39th St., New York, N.Y.

American Water Works Assn., 500 Fifth Ave., New York 18, N.Y.

Appleton-Century-Crofts, Inc., 101 Fifth Ave., New York 3, N.Y.

B. T. Batsford, 15 N. Audley St., London W.1, England

Blakiston Co., 1012 Walnut St., Philadelphia 5, Pa.

Case-Shepperd-Mann Pub. Corp., 24 W. 40th St., New York 18, N.Y.

Chemical Pub. Co., Inc., 26 Court St., Brooklyn 2, N.Y.

Chemical Rubber Pub. Co., 2310 Superior Ave., Cleveland 14, Ohio

Chlorine Inst., Inc., 50 E. 41st St., New York 17, N.Y.

Chronica Botanica Co. (G. E. Stechert & Co.), Waltham, Mass.

Crowell Co., Thomas Y., 432 Fourth Ave., New York, N.Y.

Federation of Sewage Works Assns., 325 Illinois Bldg., Champaign, Ill.

Garrard Press, 119 W. Park Ave., Champaign, Ill.

Hydraulic Inst., 90 West St., New York 6, N.Y.

International City Managers Assn., 1313 E. 60th St., Chicago 37, Ill.

International Textbook Co., Scranton 9, Pa.

Johnson, Edward E., Inc., 2304 Long Ave., St. Paul 4, Minn.

Macmillan Co., 60 Fifth Ave., New York, N.Y.

McGraw-Hill Book Co., Inc., 330 W. 42nd St., New York, N.Y.

Missouri Well Drillers Assn., Box 250, Rolla, Mo.

Municipal Finance Officers Assn., 1313 E. 60th St., Chicago, Ill.

National Assn. of Corrosion Engineers, 905 Southern Standard Bldg., Houston 2, Tex.

National Board of Fire Underwriters, 85 John St., New York 7, N.Y.

National Fire Protection Assn., 60 Batterymarch St., Boston, Mass.

National Institute of Municipal Law Officers, 730 Jackson Pl., N.W., Washington 6, D.C.

National Lime Assn., 927—15th St., N.W., Washington 5, D.C.

New York State Dept. of Health, Albany 1, N.Y.

Oxford Univ. Press, 114 Fifth Ave., New York 11, N.Y.

Phelps Dodge Refining Corp., 40 Wall St., New York, N.Y.

Pitman Pub. Co., 2 W. 45th St., New York, N.Y.

Prentice-Hall, Inc., 70 Fifth Ave., New York 11, N.Y.

Public Administration Service, 1313 E. 60th St., Chicago, Ill.

Reinhold Pub. Co., 330 W. 42nd St., New York, N. Y.

Solvay Sales Div., Allied Chemical & Dye Corp., 40 Rector St., New York 6, N.Y.

Supt. of Documents, U.S. Government Printing Office, Washington 25, D.C.

Taylor, W. A., & Co., Inc., 872 Linden Ave., Baltimore, Md.

Texas Water Works and Sewerage Short School, 501 W. 33rd St., Austin, Tex.

Wiley, John, & Sons, Inc., 440 Fourth Ave., New York, N.Y.

Williams & Wilkins Co., Mt. Royal & Guilford Aves., Baltimore 2, Md.

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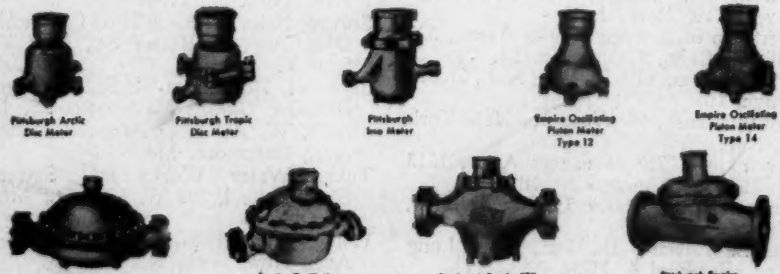

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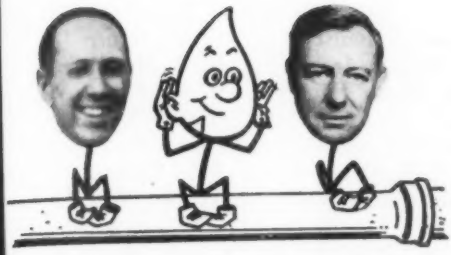

Percolation and Runoff

Merry Christmas is one of those things we wish everyone—everyone even including the most adamant nonreader of P&R—but we wouldn't be quite human if we didn't wish just a wee bit harder on the account of some of those who have proved themselves particular friends of P&R during this, the first year of its official existence. Thus we're taking advantage of the good will season to doff our caps—and in two extraordinarial instances even our heads—to the hitherto anonymous contributors of gristgivers for the P&R mill.

Heading the list on all scores are the owners of the listing heads above. Willing Water has his ears peeled posing with them is super-significant for it is they who have talked into him much of the material which goes out here. Who started out at first help to be addressed as "Honorable" took no time at all to earn the title, "Exalted." And beyond that, being "out of this world" in our estimation, they had to be dubbed something less lowly than "*sub*lime." So we eulogize, first and foremost, the *Super*lime E. L. Filby and the *Super*lime P. S. Wilson for their countless contributions to our fund of fact and fancy.

No less merry a Christmas nor happy a New Year do we wish to our other 1948 gristgivers, among whom we call "Exalted" E. A. Sigworth and Arthur Clark, and, at the very least, "Honorable" R. K. Blanchard, Charlie Capen, R. J. LaMarre, Tom Veatch and Joe Wafer. If their mention is more mundane because of their more numerable contributions, it means us no less appreciative of their cooperation. And to them, too, P&R owes a continuing flow of the information often twisted out of recognizable shape in meandering through its columns.

But those are merely the unnamed limits of our Season's Greeting. Named though they were at the time, we will not take a chance on Santa Claus' forgetting the "Corres" boys of P&R who kept our mail pouch at least unempty with evidence of having read and reacted to "Runoff" if not

(*Continued on page 2*)

(*Continued from page 1*)

to "Percolation." Thus, though in smaller type, do we extend a full measure of good wishes to the also-wrotes of our letters column:

Boyd A. Bennett	Raymond J. Faust	C. W. Krusé
A. P. Black	H. E. Hudson Jr.	E. B. McCulley
Loren E. Blakeley	Illinois Water Survey Staff	W. C. Morse
A. A. K. Booth		Norma Nelson
C. R. Cox	Robert N. Irons	Harry B. Shaw
F. A. Cuthbert	Emil C. Jensen	Fred Valenti
Ray Derby	Otto K. Jensen	Willing Water

And if in this exuberance of Christmas spirit some suspicious sardonicist detects a devious bid for more material, why Merry Christmas to him too and may he reach the heights of *Super*limity in the coming year.

John N. Hurty Awards are traditionally presented by the Indiana Board of Health in recognition of 25 years of service in sanitation and public health work. The awards, which consist of a certificate and gold pin (left), have come to symbolize the cause of pure water and better health for which their namesake, the one-time Secretary of the Indiana Board of Health, was so outstanding an advocate.

It is heartening to know that the presentation of the awards recently to 16 employees of the Indianapolis Water Co. received mention, not merely in the news columns, but on the editorial page of a local paper, the Indianapolis *News*. The A.W.W.A. and its Indiana Section, under whose auspices the presentations were made, also received their editorial due. This is more than good public relations—it is real public appreciation.

The beavers are still eager it seems. Observing New York Light & Power Corp. engineers at work last fall surveying a dam site at Stewart's Bridge, about a mile northeast of Corinth, N.Y., the ambitious amphibians decided to take matters into their own hands. So by the time their human counterparts had gotten around to clearing trees in preparation for construction, the illustrious industrious had completed a 250-ft. dam, 6 ft. high, backing up the Sacandaga River to flood about 15 acres.

Typically human in their disregard of the finer feelings of the animal artisans, the power company engineers are obstinately continuing their own project without so much as an explanation of their rejection of the beavering benevolence.

(*Continued on page 4*)

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(*Continued from page 2*)

Ghost villages that have been buried for 30 years are returning from their dank oblivion as a result of the unprecedented lowering of the water level in New York's great Kensico Reservoir. According to a report appearing in the New York *Times* on November 2:

> Colonial highways, the foundation of a schoolhouse, jigsaw patterns of stone walls and other evidence of the farms and hamlets that once sprawled across the valley have emerged as muddy and moldy reminders of the past. Large islands have suddenly appeared. . . .

The New York City Dept. of Water Supply, Gas & Electricity held that the water was not dangerously low, since a few heavy rains could raise the level considerably. Exceptionally dry weather, plus the increased demand—which now exceeds the supply by 50 mgd.—is held responsible for the situation. The Kensico has a capacity of 30 bil.gal. but at the date of the *Times* story held only 19 bil.gal., with levels having receded 17 ft. since the early part of the summer. It is fed by 640 mgd. of Catskill water through the Catskill Aqueduct and 50 mgd. from other sources through the Deleware Aqueduct. Completion of the Delaware System in 1952 is expected to end the shortage, which is now straining the combined facilities of the Kensico and Croton systems.

(*Continued on page 6*)

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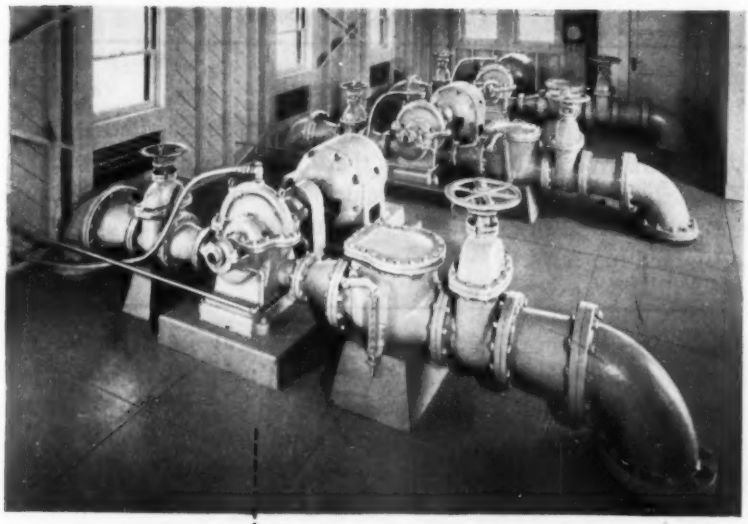

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(*Continued from page 4*)

Daniel Mead

The Association's senior Member, Daniel Mead, died at his home in Madison, Wis., after an illness that had lasted two years. He had been a partner in the firm of Scheidenhelm and Mead, consulting engineers of New York, until his retirement about five years ago. He had joined the A.W.W.A. in April 1889, nearly 60 years ago.

An appeal from Hindustan for technical journals, reports and other matter has been received. Anything in print which might be helpful to city officials in Hindustan, in their water supply, sanitation, housing and other activities, would be appreciated. Contributions should be mailed to Dr. S. Fakhruddin Hussain Khan, Nawab Manzil, Baroda, Hindustan.

Hungerford & Terry, Inc., has appointed William M. Longshore as representative in Houston, Tex.

Data on some steel water line installations in the United States during 1947 are included in "A Report of Dresser-Coupled Steel Water Lines in the Year 1947," an eight-page illustrated booklet issued by Dresser Mfg. Div., Bradford, Pa., from which copies are available upon request. The information provided covers pipe diameters, wall thicknesses, line pressures, coatings and engineering personnel.

Well screens are the subject of a new 29-page catalog issued by Edward E. Johnson, Inc., 2304 Long Ave., St. Paul 4, Minn. The booklet contains illustrations and descriptions of the complete line of screens for wells 2–36 in. in diameter and, in addition, much useful information on well design and development. Requests for Catalog No. 148 should be made to the company at the above address.

(*Continued on page 8*)

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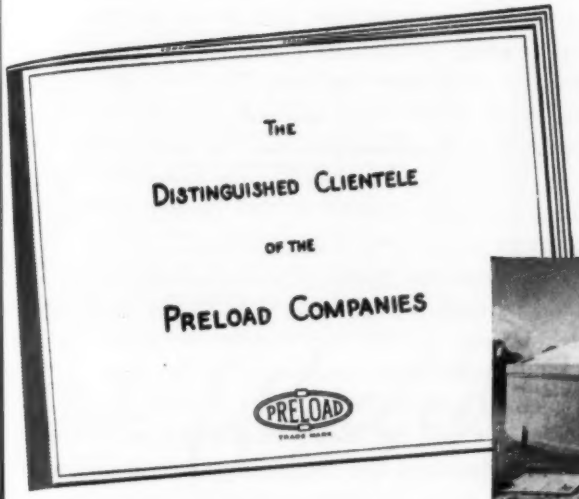

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(*Continued from page 6*)

Another outbreak of rhabdomancy has afflicted us. Within the past couple months, no less publications than *Life, This Week* and the Kansas City *Star* have espoused dowsing as fascinating fare for sorcery-starved subscribers. The twig-twitcher of Bonner Springs, Mo., and the dowser of Canopus Hollow, N.Y., were given the traditional treatment: where science failed, sorcery succeeded, and solid-citizen skeptics were obligingly convinced. But *Life*, as usual, introduced new frills to a famed fantasy by dragging in big-name author Kenneth Roberts as the converted doubter and extending the proof to more potent stuff than water.

What is most unusal about Roberts' peerless protege, however, is not the fact that he can find hidden scotch or rye or gin or brandy by dipping his twig in the selected medium first, nor the fact that he can dowse on ice or snow, in car or plane, and maintain his accuracy "to the inch." No, what really puts him in a class by himself is his ability to carry on a conversation with his twig. The fact that the stick's vocabulary is limited to a silent "Yes" has not to date damaged the relationship, for the dowser merely exhausts all possible answers in his leading questions and waits for a nod on the correct one. Confining his curiosity at first to the depth of the underground waters he discovered, he has now branched out in his inquiries to "the World Series, the next war and other crucial matters." All of which makes us wonder how he fared in the recent election. But then, how can a mere wet-pointing twig be expected to distinguish between "Dewey" and "dewy"?

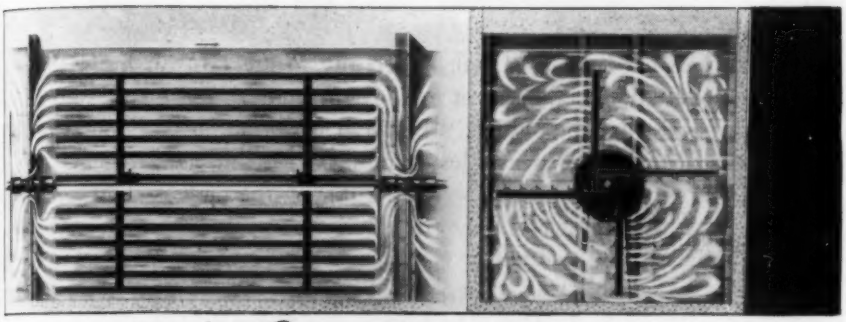
James T. Guthrie has been appointed Sales Engr. for the A. P. Smith Mfg. Co. of East Orange, N.J. Guthrie, formerly Pres. & Gen. Mgr. of Signal Mountain Estates, Inc., owners and operators of the water system serving Signal Mountain, Tenn., will service the Kentucky-Tennessee territory.

Our own poll toll of last month was much less serious than that sustained by most publications, but we'll never know what gremlin prompted us to choose the November issue (p. 10) as a vehicle for our comments on Galluping Roperism. True, we didn't get involved in estimating the validity of the poll facts, but just think how much more cogent we could have been a few weeks later. Now all we can do is point to the last item on page 16 of the same issue, and say: "See what we meant?"

Far be it from us, now, to feast on the entrails of the skinned askmasters. Rather, with the New York *Times*, we would defend them against repressive measures, pointing to their freedom of speech, and feel a little sheepish ourselves for being naive enough to put that much stock in their results. What, after all, could be more healthful than a big fat disillusionment?

(*Continued on page 10*)

for Efficient Mixing...



REX *floctrol*

Here are improved, thorough mixing, savings on chemicals, and increased plant efficiency—with Rex Floctrol.* What's more, the extreme flexibility of Floctrol fits a wide range of operating conditions.

Based on the principle of tapered mixing, Rex Floctrol assures an optimum floc with a minimum amount of chemical. The paddle axis is parallel to the line of flow, giving uniform treatment to all flow and eliminating short-circuiting. In the Floctrol tank, all flow is directed into active mixing area, causing complete utilization of full tank volume and thorough dispersion.

The Floctrol principle can be applied to existing tanks. Installation is simple and initial cost is low. Savings in power, time, and chemicals make it worth your time to investigate Rex Floctrol.

*REG. U. S. PAT. OFF.

here's the story on better *flocculation*

Write for Bulletin 48-39. It contains the complete story on how to increase your mixing efficiency with Rex Floctrol, Rex Slo-Mixers, and Rex Flash-Mixers. The bulletin contains engineering details, installation photos, diagrams of typical installations, and valuable information you'll want to help you get the best mixing for the least cost. Address Chain Belt Company, 1609 West Bruce Street, Milwaukee 4, Wis.

CHAIN BELT REX COMPANY — WATER TREATMENT EQUIPMENT

Member of the Water and Sewage Works Manufacturers Association, Inc.

(*Continued from page 8*)

A pump and circumstance got Water Supt. Alar B. Mawdsley of Pratt, Kan., into the nation's news about a year ago and has kept him popping up there ever since.

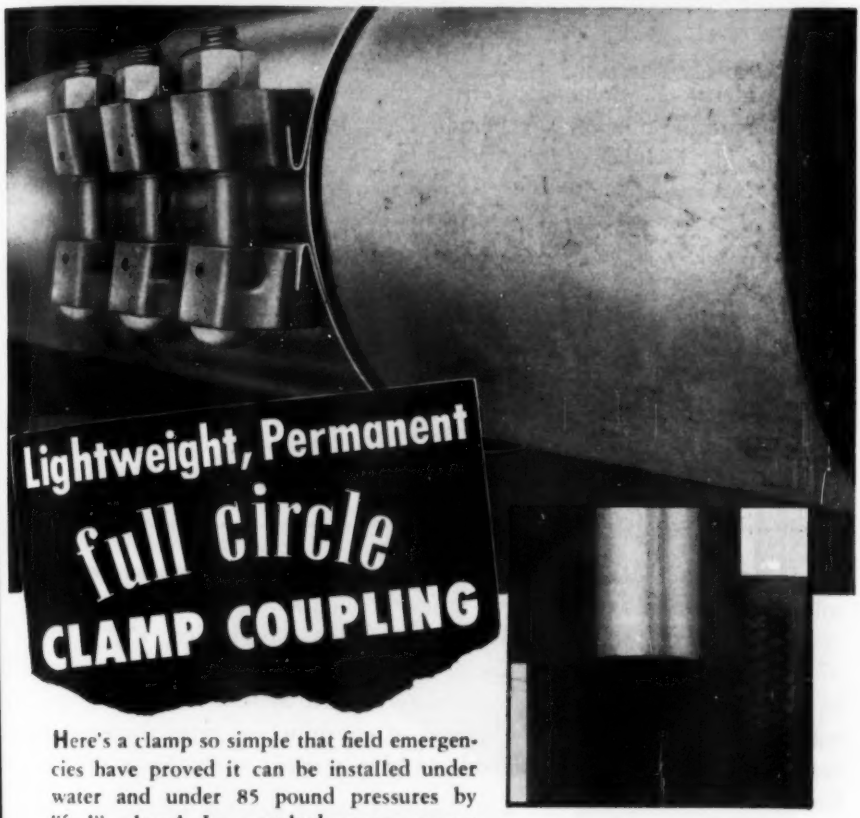
It all happened when Mawdsley left the Pratt plant in the hands of a substitute operator while he went to Topeka to address the Kansas League of Municipalities on the subject, "Water Tank Maintenance and Repair." In his absence, the substitute, less familiar with the requirements of the system, left one too many pumps running during the night. Thus, at about 3 A.M., an elevated tank fed by the excess pumpage began to overflow. Although that would ordinarily have caused no concern, a nearby sewer ditch to a new building was still open and led the 800-gpm. overflow directly to the foundations of the new structure. The water filled a trench next to the building, causing a cave-in of dirt, which, in turn, collapsed some sections of the foundation wall and buckled others before the extra pump could be cut out of service. All in all, the cost of damages to the city was relatively minor and the story of the unfortunate sequence of events involved would have made no great splash in the newspapers but for the subject of Mawdsley's speech and the fact that, in the last analysis, the speech was the cause of the whole mess.

Two Topeka papers and the Associated Press carried the story the next day, but it wasn't until almost a year later that the news got into a Wichita paper, and there it was that a *Time* editor spotted it and went back to the source for the complete story. Apparently because it then had whiskers, the tale didn't rate *Time* treatment, but who knows where or when it will next appear? Certainly if the press had to dig that deep to turn up trouble in the water works, we'd have reason to be exuberant. And even though they don't, we can be happy that they at least have to dig.

An International Association for Prestressed Concrete was projected at a recent meeting of research and consulting engineers from all over the world at Ghent, Belgium. Planned as a result of the increasing interest in prestressed concrete construction, the primary purpose of the new organization will be to disseminate information on new developments and improvements in the art of prestressed reinforced concrete construction for the benefit of engineers throughout the world. Temporary officers elected as a committee to draft the organization's framework include Gustave Magnel, Cons. Engr. and Professor of Eng. at the University of Ghent, as President, and Curzon Dobell, Vice-President and Gen. Mgr. of Preload Enterprises, Inc., New York, as one of the Vice-Presidents. In addition to drafting rules for the new organization, the committee will consider such activities as the publication of an international journal, the organization of biennial congresses and the initiation of original research work.

(*Continued on page 12*)

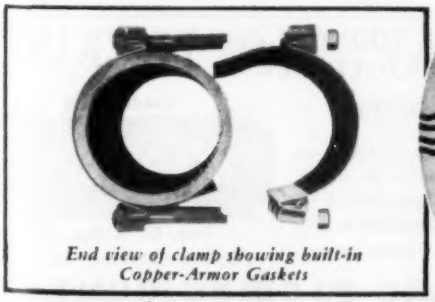
Another outstanding Smith-Blair product . . .



Here's a clamp so simple that field emergencies have proved it can be installed under water and under 85 pound pressures by "feel" alone! Its matched copper-armor gaskets go right into proper position without coaxing. And it assures a complete shut-off of leaks on the first tightening of the clamp. The Smith-Blair Full Circle Clamp is unsurpassed for quick, economical, permanent leak repair service. Write for bulletin today, or see your nearest Smith-Blair Distributor.

For coupling pipe sections or for permanent leak repairs on broken or split cast iron, cement-asbestos, or steel pipe. SERIES 3-A 7½" to 30" widths for nominal 2, 3, 4, 6 and 8 inch pipe. SERIES 3-B 7½" to 30" widths for nominal 4, 6, 8, 10 and 12 inch pipe. Furnished with Duronze bolts on order.

Write for name and address of nearest Smith-Blair Distributor.



End view of clamp showing built-in Copper-Armor Gaskets

SMITH BLAIR INC.
Water works supplies and specialties

SOUTH SAN FRANCISCO, CALIFORNIA

ALSO...BRONZE SERVICE CLAMPS · STEEL & C. I. FLEXIBLE COUPLINGS · FLEXIBLE REDUCING COUPLINGS

(*Continued from page 10*)

Henry P. Bohmann, 1866–1948

Henry P. Bohmann, retired Superintendent of the Milwaukee Water Dept., died on October 24, 1948, at the age of 82. He was an Honorary Member of the A.W.W.A.

His career began in 1893, when he became bookkeeper for the Board of Public Works, which then had jurisdiction over the water supply. A transfer to the Water Works Accounting Dept. followed, and in 1910 he was made Secretary of the Water Works. He was appointed Supt. in 1912, and held the post until his retirement in 1941. Thus the bulk of the system's growth was conducted under his direction, and he performed the task so well that the city's aldermen persuaded him to change his mind when he first attempted to retire, in 1938. It was an apt, but not the only, indication of the regard in which he was held by his fellow citizens.

The Meter-Master, a sort of water works "G-man," is described and its applications explained in a new booklet available from Brainard International Co., 1409 Industrial Trust Bldg., Providence, R.I. The device is a visible rate recorder for water meters and has had excellent results in meeting complaints over high bills. When attached to the customer's meter, a complete record is obtained of consumption rates throughout the test period. Charts are available to give records for periods of 6 or 24 hours, or for 7 days.

George W. Cissna, a Neptune representative since 1930, has been appointed Southwest District Mgr., with headquarters at Dallas, Tex. He succeeds the late Egmont S. Smith. Cissna's most recent assignment had been in the Georgia and Florida territory.

(*Continued on page 14*)

WRITE FOR *Free* SAMPLE TODAY of this SELF-LUBRICATING-FRICTIONLESS PACKING!

WON'T CUT OR SCORE SHAFTS

Mabbs Rawhide Packing is remarkably tough—yet most resilient—gives best results on water works pumps. Because it's self-lubricating it never becomes hard or glazed, therefore won't cut or score shafts—lasts longer and saves power.

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PROMPT DELIVERY ANY SIZE

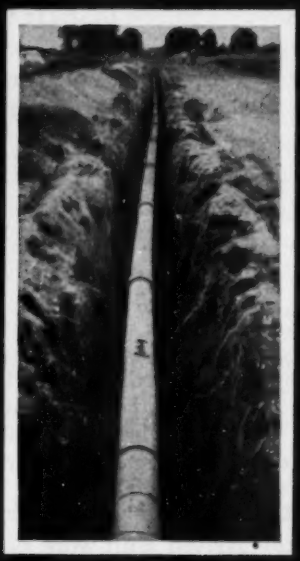
MABBS HYDRAULIC PACKING COMPANY

435 S. DEARBORN STREET CHICAGO 5, ILLINOIS

"Century"

Asbestos-Cement Pipe

cuts costs because it is light in weight...easy to install maintenance-free



1... Several lengths can be coupled on the surface, then lowered into place as a unit.

2... Can be quickly cut to size right on the work site.

3... Can be drilled and tapped in the field.

The moment your order of K&M "Century" Pipe starts on its way to you, you start economizing. That's because asbestos-cement pipe is relatively light in weight—cutting the cost of freight, hauling and handling.

And that's only the beginning. "Century" Pipe's 13′ lengths allow speedy installation. Jointing can be done quickly and is permanently tight . . . easily accomplished by inexperienced workmen. You'll need no heavy equipment to lay a "Century" line.

After laying, all you have to do is test, backfill and forget it. No corrosion, tuberculation or electrolysis will ever plague your maintenance department, for these enemies *cannot* affect "Century" Asbestos-Cement Pipe.

Full flow area is always maintained, pumping costs always stay at rock bottom. Your "Century" line will last indefinitely . . . in its original pressure class.

It's the ideal conveyor for your town's water supply. Write us for full information—we'll answer your inquiry promptly.

DIAMOND ANNIVERSARY 1873 1948 KEASBEY & MATTISON CO.

Nature made Asbestos

Keasbey & Mattison has made it serve mankind since 1873

KEASBEY & MATTISON COMPANY • AMBLER • PENNSYLVANIA

(*Continued from page 12*)

The kill-caries campaign seems to be advancing on all fronts these days. What started out to be a cautious attack on the problem by the combined advance patrols of water works men and dentists appears now to have snowballed into a major offensive, the leadership of which is becoming more and more concentrated in the hands of the dental profession. As a matter of fact, during the past month alone three events of major molar moment came to our attention.

First, from our own dentist, we received an unexpected communiqué which more or less formalized our previously reported propaganda (*see* September P&R, p. 6). "Fluoride therapy, as a means of reducing tooth decay," he said, "is now accepted routine practice," and went on as follows:

> Various sources report a 40 per cent reduction in caries incidence may be expected in a three- to five-year period when a series of four applications preceded by a prophylaxis is given. It is also recommended that a series of four treatments be given beginning at the age of 3 and repeated at the ages of 7, 10 and 13. If you have any children in your family may I suggest that they secure these treatments whenever and wherever it is convenient.

No sooner had we finished cheering that advance than the *Scientific American* arrived with word of further progress in the form of a chemical seal which effects a 90 per cent reduction in caries incidence. Researched by Dr. Bernhard Gottlieb, director of the Department of Oral Pathology and Dental Research at Baylor University College of Dentistry, this new technique involves the topical application of a solution of zinc chloride followed by the addition of potassium ferrocyanide, which precipitates zinc ferrocyanide, a white insoluble salt that seals the enamel by filling in certain microscopic openings in the teeth. Developed in 1942 and tested in controlled experiments since then, Dr. Gottlieb's technique is reportedly used by at least 400 dentists in the Greater New York area.

Then, finally, out of the Oranges and Maplewood, N.J., came the rather startling story that the chamber of commerce and civics of that area was advocating a 1 per cent addition of sodium fluoride to the public drinking water supply. Whether the 1 per cent figure represents an excess of zeal on the part of the chamber itself or the local newspaper which reported the story is not known, but that question is an academic one which will be academically answered. And the fact remains that, if this drive for fluorination is successful, Orange will be the tenth community which, to our knowledge, has embarked on this means of mass medication.

Who will first reach the "Berlin" of a successful and practical program for the reduction of caries incidence seems of little importance. Inasmuch as the current race toward that goal means its earlier achievement, we can well cheer it, being quite certain that the consolidation of such a scientific victory will involve a minimum of bickering among the victors.

(*Continued on page 46*)

When you need HIGH volume at LOW head . . .

. . . Where your water requirements are measured in millions of gallons daily, Fairbanks-Morse Propeller Pumps will give you a new high in pumping efficiency . . . a new low in cost.

With capacities ranging up to 60,000 G.P.M. at heads up to 40 feet, these high-volume water-movers satisfy a basic need in low head, primary municipal water supply service. Designed for operation with the propeller submerged, they are always ready to pump without the delay of priming. Both oil-lubricated and water-lubricated types are available to fit any municipal requirement.

To be sure of the right answer to your pumping problems, check your requirements with a Fairbanks-Morse pump specialist. From the complete Fairbanks-Morse line, he can help you select the exact unit to best suit your service. Fairbanks, Morse & Co., Chicago 5, Illinois.

FAIRBANKS-MORSE

A name worth remembering

DIESEL LOCOMOTIVES • DIESEL ENGINES • STOKERS • SCALES MOTORS • GENERATORS • PUMPS • RAILROAD MOTOR CARS and STANDPIPES • FARM EQUIPMENT • MAGNETOS

A FEW OF THE COMPLETE LINE OF FAIRBANKS-MORSE PUMPS

Trash Pumps · Side-Suction · Centrifugals · Builtogether

First Basic

To the Editor:

In the October issue of the JOURNAL [P&R, p. 6], I note under the introduction "Now that the football season is here," a remark suggesting the need for more courses in sanitary engineering in the undergraduate curriculum of our engineering schools.

There is no need for me to call your attention to the overcrowded condition of our present curriculum, or to point out that it is generally agreed that specialization must be left to the fifth and later years of the educational process. With these facts I am sure you are quite familiar, and yet the question seems to have been raised.

Can it be that the sanitary profession is unwilling to accept into its fold young men adequately trained in the basic sciences of mathematics, physics, chemistry, solid and fluid mechanics, etc., but lacking the applied courses in sanitation? Can it be that the profession is unaware of the potential worth of many who, while in college, fell not under the spell of the specialists?

It is my opinion that the profession would find more recruits were it to place more emphasis on potential capabilities as demonstrated by work in the basic arts and sciences and less emphasis on acquaintance with the present-day practices of any art.

In closing I may add that I am not supported in this opinion by some of my colleagues and that I may be biased in favor of the basic sciences.

A. A. K. BOOTH

Assoc. Prof., Dept. of Mechanics
Rensselaer Polytechnic Institute
Troy, N. Y.; October 26, 1948

We, too, are in favor of Dr. Booth's "basicism," but in the case of curricula already obviously "debased," we claim Sanitary Engineering's right to a share in the products of debasement. And if it's a popularity poll, we want our candidate on the ballot.—ED.

(*Continued on page 18*)

MACHINE BLENDED

BOND-O

A dependable self-calking joint compound for cast-iron bell and spigot water mains.

Used by hundreds of water companies, water departments and water works contractors.

NORTHROP & COMPANY, INC.
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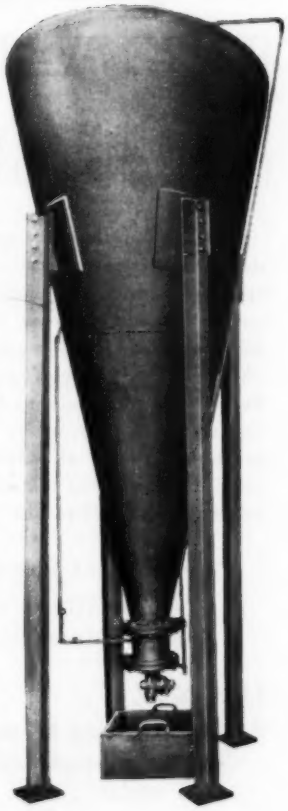
PERMUTIT'S SPIRACTOR ADDS NEW SPEED TO LIME TREATMENT

The old type of lime treating systems are outmoded by the Permutit* Spiractor*. Water is softened not only faster, but in *much* less space!

In the Permutit Spiractor, water softening is accomplished by raw water mixed with lime flowing upward from the base of the cone through a suspended bed of calcium carbonate granules. The precipitates that result from the water softening reaction are deposited on the catalyst granules by accretion. The resultant softened water has a very low alkalinity content, and is ready for suitable filtration. The precipitated hardness is removed in the form of large solid particles — no messy sludge disposal problem!

Use the Permutit Spiractor! Write for details to The Permutit Company, Dept. JA-12, 330 West 42nd Street, New York 18, N. Y., or the Permutit Company of Canada, Ltd., Montreal.



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The QUEST *for*
PURE WATER

by

M. N. BAKER

Here, at long last, is a comprehensive history of water purification from the earliest records to the twentieth century, relived and recorded by M. N. Baker following his retirement as Associate Editor of "Engineering News-Record" in 1932. Here, as Abel Wolman says in his foreword, is "an inexhaustible treasury of authenticated information," which no student of water treatment can afford to miss.

466 Text Pages
73 Illustrations
900 References

List Price $5.00
Special Price to Members who send cash with order $4.25

Order from

American Water Works Association

500 Fifth Avenue New York 18, N. Y.

(*Continued from page 16*)

Treating Sea Water

To the Editor:

Due to the unusual shortage of rainfall within the past year and a general cyclic decrease in average rainfall over a period of years in southern California, considerable publicity has been given by the press of southern California to the use of treated sea water to augment our local supplies. In several instances demands have been made, by individuals lacking the proper understanding of the matter, upon the water departments in this area for immediate action to be taken on the treatment of sea water for domestic use.

The entire question of treating sea water to make it usable is of course one of pure economics. I personally very much dislike the present publicity given to the possible treatment of sea water as being the only solution to the problem of increasing our water supply without some regard being given to the economics of the matter. Recently several individuals in southern California have blithely stated that the distillation of sea water, at a cost of over $200 per acre-foot, is our only solution, and that action should be taken on it immediately.

Little consideration seems to be given to the reclamation of sewage for industrial and agricultural use. In most cases in California sewage must basically be given a fairly high degree of treatment. By an additional cost of $5 to $10 per acre-foot above the cost of this basic treatment, sewage can be made satisfactory for most uses other than domestic. In the county of Los Angeles we are at present dumping into the ocean nearly 300 mil.gal. of sewage daily. A large share of this will soon be treated by the activated sludge process to a fair degree of purification. A very little additional capital cost and small additional operating cost would be required to make this water satisfactory for

(*Continued on page 20*)

NO BALANCE NEEDED

in controlling tastes and odors with ClO_2.

So your water develops tastes and odors during chlorination? And you're always striking a balance between the quantity of chlorine you use for disinfection and the quantity that makes your water unpalatable? Whew!—sounds like a lot of work! Why not use Mathieson Chlorine Dioxide and cut out the balancing?

Simply prechlorinate your water all you wish, then eliminate tastes and odors with Chlorine Dioxide. It's that simple! This powerful oxidizing agent destroys tastes and odors due to algae and other organic matter . . . oxidizes objectionable compounds formed during chlorination. Using Chlorine Dioxide, you'll get residuals to the end of your distribution system. You'll get effective bactericidal action in all types of contaminated water—even highly alkaline and softened water. You'll get disinfection regardless of the character or concentration of organic matter.

The Mathieson Chlorine Dioxide treatment is neither complicated nor expensive. Write for details. Mathieson Chemical Corporation, 60 East 42nd Street, New York 17, N. Y.

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CHLORINE DIOXIDE

Chlorine Dioxide...Sanitation HTH...Liquid Chlorine...PH-Plus (Feed Alkali)...Caustic Soda...Soda Ash...Bicarbonate of Soda...Ammonia, Anhydrous & Aqua...Carbonic Gas Dry Ice...Sodium Chlorite Products...Sodium Methylate

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Aqua TESTER

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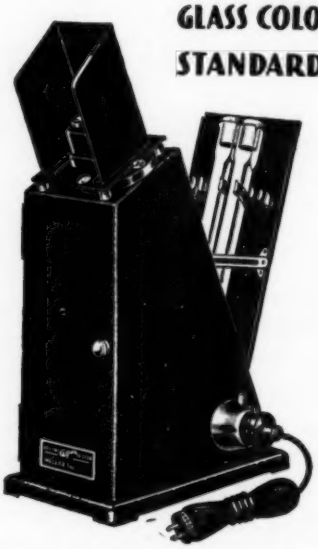
NON-FADING GLASS COLOR STANDARDS



THE HELLIGE AQUA TESTER combines the advantages of non-fading glass color standards with radical improvements in design. This Water Tester is, we believe, the most advanced type ever brought on the market and brings to its user the utmost in accuracy, permanent reliability, and ease of operation.

Glass Color Standards based on A.P.H.A. and A.W.W.A. methods are available for Color of Water, Ammonia Nitrogen, Nitrite Nitrogen, Nitrate Nitrogen, Chlorine, Iron, Dissolved Oxygen, Manganese, Lead, Phosphate, Silica, Sulphides and Hydrogen Ion Measurements.

Write for Bulletin No. 602

HELLIGE
INCORPORATED

3718 NORTHERN BLVD.
LONG ISLAND CITY 1, N.Y.

(Continued from page 18)

dustrial and agricultural use. This additional cost, both capital and operational, would be far less than any required for the treatment of sea water.

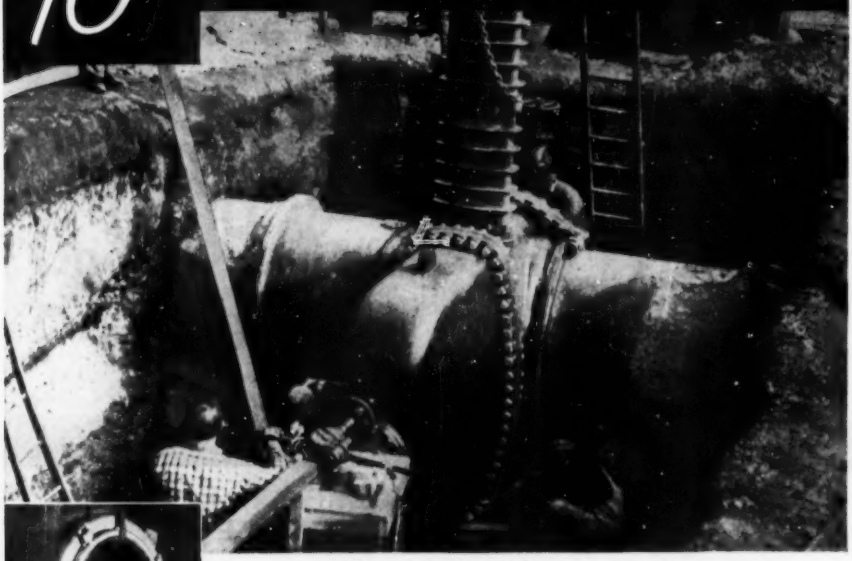
Unfortunately, however, when talking with some of the recent proponents of the use of sea water, very little interest is shown by any of them in the relative economics of the process. While it is true that the Navy and the Army distilled sea water for use on shipboard and on small islands in the Pacific at a cost that was not excessive, considering the necessity for water, it is a vitally different situation when over 300 mgd. must be made usable for domestic industrial and agricultural use.

There may come a time in the future when our population will be so great and our water supply so reduced that such a source of supply will be necessary. I do not believe, however, that the present situation is anywhere near that point.

RAY L. DERRY

Member, Executive Committee
California Section, A.W.W.A.
Los Angeles; October 12, 1948

48" GATE VALVE INSERTED UNDER PRESSURE
to Avoid Stoppage of Steel Production



CUTTING THE MAIN. Illustration shows cutting dome, temporary shut-off valve and permanent valve body in place.

Section removed from main

Finished insertion

At a large Eastern steel mill uninterrupted production depended upon a thirty year old, 48" cast iron main, carrying sea water used for cooling the furnace jackets. The main was in poor condition — badly corroded and electrolytically pitted.

In order to provide an emergency by-pass in the event of line failure, a gate valve was required. Since the mill could not risk even a momentary shut down, Smith was asked to insert the valve under pressure. Although of unprecedented size, the insertion was completed in four days without interruption of service or reduction in pressure.

*First 48" insertion ever made under pressure. One month later a second 48" gate valve was inserted by Smith for the Water Bureau, Philadelphia, Pa.

29

THE A. P. SMITH MFG. CO.

ESTABLISHED 1896

EAST ORANGE, NEW JERSEY

ANYWAY YOU LOOK AT IT—RIGHT SIDE UP OR UPSIDE DOWN—IT'S STILL

96%

HERE'S THE EVIDENCE

A Joint Committee representing the American Water Works Association, the New England Water Works Association and the Institute of Water Supply Utilities has directed a recently completed survey of water works facilities in 25 cities, large and small, from Canada to Florida. These cities represent a cross-section of water service conditions throughout North America. They had laid 50 million feet—nearly 9500 miles—of 6-inch and larger cast iron water mains since 1817. The survey shows that 96% of all 6-inch and larger cast iron pipe *ever laid* in these cities is still in service.

The objective of the survey was to secure factual evidence of service life which could be accepted by the water works industry as valid on a nation-wide basis. Isn't it logical, therefore, to conclude that 96% of all 6-inch and larger cast iron water mains, *ever laid in America*, are still in service?

CAST IRON PIPE

Of all the cast iron water mains ever laid in 25 representative cities since 1817 in sizes 6 inch and larger 96% are still in service

THESE ARE THE CITIES

Alexandria, Virginia • Babylon, New York • Clinton, Iowa • Clyde, New York
Denver, Colorado • Des Moines, Iowa • Detroit, Michigan • Huntington, W. Va.
Jamaica, New York • Merrick, New York • Norwich, New York • Ottawa, Ontario
Philadelphia, Pennsylvania • Portland, Maine • Rochester (Suburban), N. Y.
St. Mary's, Pennsylvania • St. Paul, Minnesota • Sag Harbor, New York
Scranton, Pennsylvania • Springfield, Massachusetts • Summit, New Jersey
Syracuse (Surburban), N. Y. • Utica, New York • West Palm Beach, Florida
Winnipeg, Manitoba

READ THE WHOLE STORY

A 566-page book entitled "Survival and Retirement of Water Works Facilities" has recently been published by the American Water Works Association, 500 Fifth Avenue, New York. It describes the plan and purpose of the survey and reports the findings in detail for each city. We have reprinted, by permission, the findings as they pertain to cast iron water mains in a brochure, "Survival and Retirement Experience with Cast Iron Water Mains," which will be sent upon request. Write to Cast Iron Pipe Research Association, Thomas F. Wolfe, Engineer, 122 South Michigan Ave., Chicago 3, Illinois.

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Applications received October 1 to 31, 1948

Ames, W. A., Salesman, Wittichen Chemical Co., 1609 S. 2nd Ave., Birmingham, Ala. (Oct. '48)

Applewhite, S. V., Cons. Engr., 424 Millaudon St., New Orleans 18, La. (Oct. '48)

Arledge, John R., Supt., Water Works, City Hall, Hattiesburg, Miss. (Oct. '48)

Barker, T. H., *see* Brevard, Town of

Beard, F. W., Cons. Engr., Freese, Nichols & Turner, 2111 National Standard Bldg., Houston 2, Tex. (Oct. '48)

Bell, William E., Sr. San. Engr., State Board of Health, 308 Fairfax Ave., Little Rock, Ark. (Oct. '48)

Booth, A. R., Secy. & Director, R. D. Baker Contractor, Inc., 19200 W. Eight Mile Rd., Detroit 19, Mich. (Oct. '48)

Bowen, James E., Jr., City Mgr., Charlottesville, Va. (Oct. '48)

Brevard, Town of, T. H. Barker, Clerk-Treas., City Hall, Brevard, N.C. (Corp. M. Jan. '49)

Buckley, Ed., Operator, City Water Dept., Anadarko, Okla. (Oct. '48)

Burgess, John A., Salesman, Kennedy Valve Mfg. Co., Elmira, N.Y. (Oct. '48)

Butler, R. C., Water Plant Supt., Water Works Dept., Gen. Delivery, Opelika, Ala. (Oct. '48)

Byrd, Ben H., Roane-Anderson Co., 129 S. Alabama Rd., Oak Ridge, Tenn. (Oct. '48)

(*Continued on page 30*)

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(*Continued from page 28*)

Casebier, J. P., Casebier Water Works, Beaver Dam, Ky. (Oct. '48)

Catey, B. J., *see* Texas Acidizers, Inc.

Christian, W. C., Pres., Greensboro Water Co., Greensboro, Ala. (Oct. '48)

Clemens, Levon, Water Works Supt., Kingsford Corp., R.R. 2, Laporte, Ind. (Oct. '48)

Collie, R. M., Design Engr., Freese, Nichols & Turner, 2111 National Standard Bldg., Houston 2, Tex. (Oct. '48)

Concrete Products & Roofing Co., Frank G. Smithson, Pres., 4523—1st Ave., N., Birmingham, Ala. (Assoc. M. Oct. '48)

Cowgill, Henry P., Asst. Engr., State Dept. of Health, 301 State Depts. Bldg., Columbus 15, Ohio (Oct. '48)

Curry, E. A., *see* Hillsboro, City of

Daggett, R. B., Sales Repr., Homelite Corp., 2525 Chester Ave., Cleveland 14, Ohio (Oct. '48)

Dalton, E. L., & Co., Inc., W. G. Dalton, Box 7125, Dallas 9, Tex. (Assoc. M. Oct. '48)

Dalton, W. G., *see* Dalton, E. L., & Co., Inc.

Darby, Mitchell, *see* Mitchell Darby Construction Co.

Dore, L. J., Supt., Water Works, Lafayette, La. (Oct. '48)

Dowd, Munson J., Cons. Engr., Imperial Irrigation Dist., El Centro, Calif. (Oct. '48)

Downing, S. D., Engr., Jones & Henry, 307 N. Church St., Bowling Green, Ohio (Oct. '48)

Dwyer, J. J., Supt. of Water, Hudson, Ohio (Oct. '48)

Eck, Russell C., San. Engr., State Board of Health, R.R. 2, Noblesville, Ind. (Jr. M. Oct. '48)

Faries, McIntyre, Faries & McDowell, Attys., 812 Subway Terminal Bldg., Los Angeles 13, Calif. (Oct. '48)

Forrler, Louis, Supt., Water Dept., 500 W. Wilson, Gillespie, Ill. (Oct. '48)

Garcia, E. S., Jr., Water Supt., San Diego, Tex. (Oct. '48)

Garman, Glenn, Sales Engr., Biggs Pump & Supply Co., 1827 Kossuth St., Lafayette, Ind. (Oct. '48)

Giardina, Jacob, Comr., Jefferson Parish Water Works Dist. 2, Marrero, La. (Oct. '48)

Gibson, Roy E., Chief Operator, Filtration Plant, 343 High St., Bellevue, Ohio (Oct. '48)

Gorder, Zenno A., Supt., Water Dept., City Hall, Monroe, Wis. (Oct. '48)

Groton, Village of, John Walpole, Supt., Streets & Water, Groton, N.Y. (Mun. Sv. Sub. Oct. '48)

Gruber, C. R., Chemist, Munic. Water Works, Galion, Ohio (Oct. '48)

Hammond, Robert H., Sr. Engr., Parsons Aerojet Co., 4523½ Carlton Way, Los Angeles 27, Calif. (Oct. '48)

Hanemann, Eric J., San. Engr., Gilbert Assoc., Inc., 708 Lemar Ave., Houston 2, Tex. (Oct. '48)

Hattiesburg Water Works, S. W. Pickel, Comr., Hattiesburg, Miss. (Corp. M. Oct. '48)

Hidalgo, Armando A., Civ. Engr., 327—16th Ave., S.E., Minneapolis 14, Minn. (Jr. M. Oct. '48)

(*Continued on page 32*)

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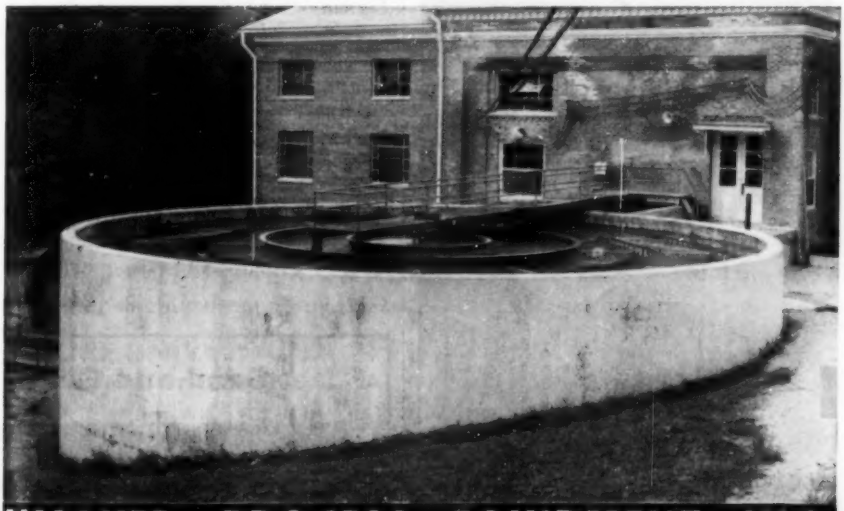

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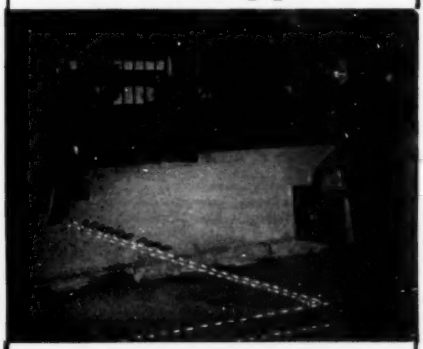

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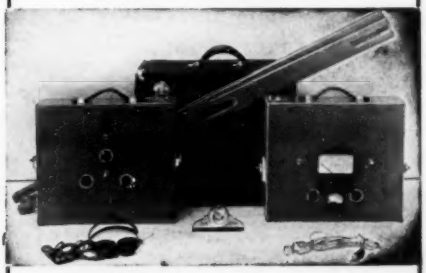

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Hillsboro, City of, E. A. Curry, Water Dept., Hillsboro, Tex. (Corp. M. Oct. '48)

Holway, William N., W. R. Holway & Assoc., Cons. Engrs., 302 E. 18th St., Tulsa, Okla. (Oct. '48)

Howe, W. A., Instructor, Texas A&M College, Box 596, College Station, Tex. (Oct. '48)

Irving, City of, Water Dept., E. T. Perry, Supt., Box 57, Irving, Tex. (Corp. M. Oct. '48)

Jacks, A. C., Supt.-Mgr., Public Utilities, Winona, Miss. (Oct. '48)

Johnson, R. E. L., Designing Engr., Freese, Nichols & Turner, 2111 National Standard Bldg., Houston 2, Tex. (Oct. '48)

Johnston, Floyd, Water Supt., City Hall, Floydada, Tex. (Oct. '48)

Keckler, James P., Supt. of Water, 309 Municipal Bldg., Dayton, Ohio (Oct. '48)

Keith, J. P., *see* Tellepsen Construction Co.

Kolkowitz, Hyman, Regional San. Engr., Shikoku Military Govt. Region, APO 1050, c/o Postmaster, San Francisco, Calif. (Oct. '48)

Larson, Floyd C., Assoc. Prof. of San. Eng., Univ. of Oklahoma, Norman, Okla. (Oct. '48)

Lindsay, James I., Supt., U.S. Naval Air Depot, McAlester, Okla. (Oct. '48)

Logan, J. W., Jr., Supt., Comrs. of Public Works, Box 326, Beaufort, S.C. (Oct. '48)

Lynch, K. P., Supt. of Filtration, Box 454, Alexander City, Ala. (Oct. '48)

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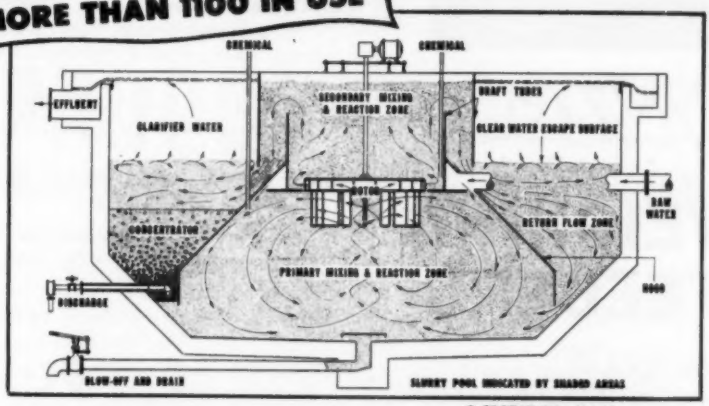

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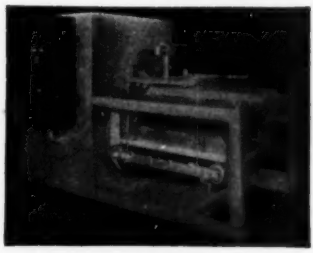

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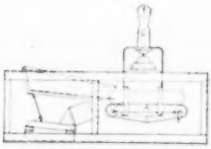

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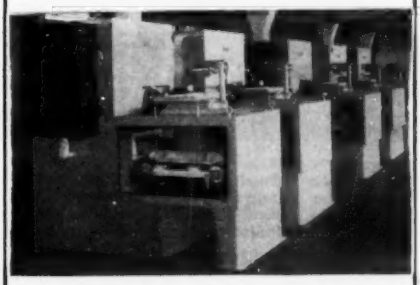


(*Continued from page 32*)

Majax Co., C. M. McAllister, Pres., 601 S. 1st St., Waco, Tex. (Assoc. M. Oct. '48)

McAllister, C. M., *see* Majax Co.

McMahon, John J., Partner, McMahon Eng. Co., 11621 E. Jefferson Ave., Detroit 14, Mich. (Oct. '48)

Mechling, Lewis C., Jr., Chief Design Engr., Westinghouse Elec. Corp., Maloney Bldg., East Pittsburgh, Pa. (Oct. '48)

Medick, R. G., Sales Repr., Mueller Co., 519 Kenprock Drive, Worthington, Ohio (Oct. '48)

Mills, H. H., Water Supt., Box 104, Lackney, Tex. (Oct. '48)

Mitchell Darby Construction Co., Mitchell Darby, Pres., Box 479, Pharr, Tex. (Assoc. M. Oct. '48)

Mitchell, Troy L., Mgr. of Utilities, San Augustine, Tex. (Oct. '48)

Monaghan, T. H., Sales Mgr., Universal Concrete Pipe Co., 297 S. High St., Columbus 15, Ohio (Oct. '48)

Morgan, Philip F., Prof. of San. Eng., College of Eng., State Univ. of Iowa, Iowa City, Iowa (Oct. '48)

Morris, Richard E., Jr., Sr. Engr., City Water Works, 108 City Hall, Dallas, Tex. (Oct. '48)

Mullins, William O., Mgr., Wittichen Chemical Co., Birmingham Highway, Montgomery, Ala. (Oct. '48)

Myers, Elmer L., Supt., Water Works, Jackson, Miss. (Oct. '48)

Nabors, Cecil D., Supt., Light & Water Co., Box 282, Talladega, Ala. (Oct. '48)

Narramore, W. D., Supt. of Utilities, City of Wake Village, Texarkana, Tex. (Oct. '48)

Ness, Robert O., Service Engr., Infilco, Inc., 325 W. 25th Pl., Chicago 16, Ill. (Oct. '48)

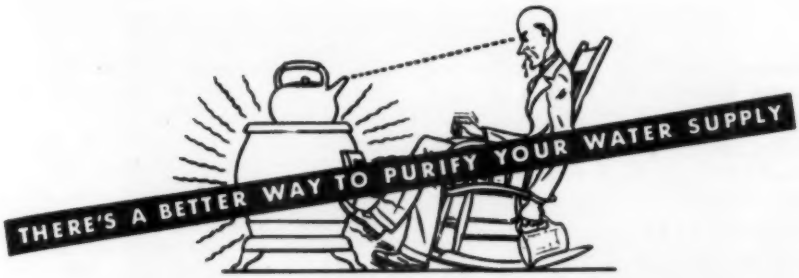
Norton, Ray A., Jr., Water Supt., Myrtle Creek, Ore. (Oct. '48)

Olsen, Carl S., Engr., H. D. Fowler Co., Inc., Box 3084, Seattle, Wash. (Oct. '48)

Owen, James E., Supt., Water & Sewer, Munic. Plant, Box 323, Henderson, Tex. (Oct. '48)

Peavy, Elton E., Southwestern Dist. Mgr., Dresser Mfg. Div., 415 N. Montreal, Dallas 11, Tex. (Oct. '48)

(*Continued on page 36*)



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61 Codding Street, Providence 1, R. I.

(*Continued from page 34*)

Peperone, Anthony, Comr., Jefferson Parish Water Works Dist. 2, Marrero, La. (Oct. '48)

Perry, Clarence T., Asst. Supt., Water Works Dept., City Hall, Montgomery, Ala. (Oct. '48)

Perry, E. T., *see* Irving, City of

Pickel, S. W., *see* Hattiesburg Water Works

Ponte Valery, Antonio, Civ. Engr., INOS, Edificio Las Mercedes, Esquina Tienda Honda, Caracas, Venezuela (Oct. '48)

Proudfit, W. M., Chemist, B & B Eng. & Supply Co., Box 2531, Houston, Tex. (Oct. '48)

Puder, Ralph, Supt., Water & Light, 133 South St., Wellington, Ohio (Oct. '48)

Ritter, A. B., Regional Engr., State Health Dept., Box 576, Lafayette, La (Oct '48)

Ross, Raymon C., Supervisor, Sanitation & Malaria Control, Alabama Power Co., Birmingham, Ala. (Oct. '48)

Roulston, Emerson, Owner-Mgr., St. Anne Shrine Water Works, St. Anne, Lake Wales, Fla. (Oct. '48)

Samuel, William L., Asst. Prof., Alabama Polytechnic Inst., Auburn, Ala. (Oct. '48)

Sanders, C. A., Extension Instructor, Texas A&M College, F.E. Box 236, College Station, Tex. (Oct. '48)

Scott, William E., Sales Repr., Hays Mfg. Co., 887 Gaston St., S.W., Atlanta, Ga. (Oct. '48)

Scruggs, Frederick J., Salesman, Lynchburg Foundry Co., 801 Main St., Lynchburg, Va. (Oct. '48)

Sexson, Walter, Supt., Water Dept., Kincaid, Ill. (Oct. '48)

Smith, A. M., Purchasing Agent, City of Shreveport, Box 1109, Shreveport, La. (Oct. '48)

Smithson, Frank G., *see* Concrete Products & Roofing Co.

Spiridonoff, Serge V., Water Purif. Engr., City Hall, Vallejo, Calif. (Oct. '48)

(*Continued on page 38*)

Hundreds upon hundreds of valves on land and sea—for every conceivable use, are being safely, speedily and dependably opened and closed by "*Limi-Torques*", day in and day out.

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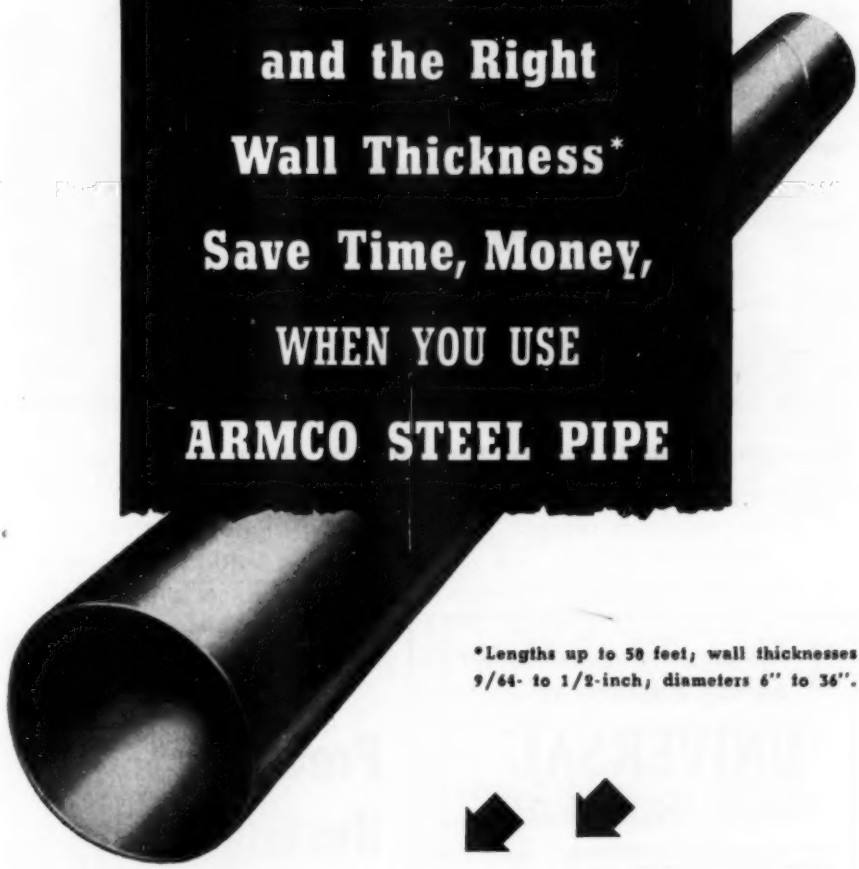

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ARMCO WELDED STEEL PIPE ARMCO

(*Continued from page 36*)

Stookey, William C., San. Eng. Asst., Dept. of Water & Power, 207 S. Broadway, Los Angeles, Calif. (Oct. '48)

Studebaker, A. W., Supt., Water Dept., City Hall, Brea, Calif. (Oct. '48)

Talley, L. M., Office Engr., Engrs. Dept., 120 Bonita St., Arcadia, Calif. (Oct. '48)

Tapia-Murillo, Gustavo, Student, Univ. of Minnesota, 833 River Rd., E., Minneapolis, Minn. (Jr. M. Oct. '48)

Taras, Michael, Sr. San. Chemist, Detroit Dept. of Water Supply, 8300 W. Warren Ave., Dearborn, Mich. (Oct. '48)

Taylor, Alex O., Director, Eng. Extension, Alabama Polytechnic Inst., Auburn, Ala. (Oct. '48)

Tellepsen Construction Co., J. P. Keith, Engr., Box 2536, Houston 1, Tex. (Corp. M. Oct. '48)

Texas Acidizers, Inc., B. J. Catey, Asst. Mgr., Nolte National Bank Bldg., Seguin, Tex. (Assoc. M. Oct. '48)

Thompson, A. C., Mgr., Harris County Water Control & Irrigation Dist. 2, 5120 Karcher, Houston 9, Tex. (Oct. '48)

Threlkeld, C. W., Supt., Water Works, Marion, Ky. (Oct. '48)

Tyson, J. H., Pres., Western Supply Co., 837 E. Madison, Phoenix, Ariz. (Oct. '48)

Van Frank, Fred H., San. Eng. Asst., Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Oct. '48)

Walpole, John, *see* Groton, Village of

Whipple, George W., Supt. of Water, Chippewa Lake, Ohio (Oct. '48)

Wilkes, Kenneth G., Civ. Engr., Dept. of Water & Power, 207 S. Broadway, Los Angeles, Calif. (Oct. '48)

Williams, G. D., Cons. Engr., Julian Montgomery, 602 West Ave., Austin, Tex. (Oct. '48)

(*Continued on page 40*)

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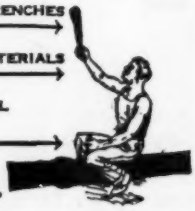

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(*Continued from page 38*)

Williams, Melvin R., Dist. Engr., U.S. Geological Survey, Box 56, Montgomery, Ala. (Oct. '48)

Wilson, Fred L., Sales Engr., Pump & Lighting Co., E. 9th St., Charlotte, N.C. (Oct. '48)

Wilson, Robert G., City Mgr., Walters, Okla. (Oct. '48)

Woodard, F. E., *see* Woodfin San. Water & Sewer Dist.

Woodfin San. Water & Sewer Dist., F. E. Woodard, Supt., 224 Elkwood Ave., Asheville, N.C. (Corp. M. Oct. '48)

Young, Barnie A., Asst. Health Director, Health Dept., City Hall, Galveston, Tex. (Oct. '48)

REINSTATEMENTS

Arnold, William L., Public Accountant, 2428 Florentina Ave., Alhambra, Calif. (July '33)

Benedict, Earl N., Service Engr., Infilco, Inc., Box 5015, Oklahoma City, Okla. (Oct. '39)

Boudreaux, Hurd, Maint., Distr. System, Jefferson Parish Water Works Dist. 2, Marrero, La. (Oct. '46)

Gorman-Rupp Co., Gilmore Hiett, Adv. & Sales Promotion Mgr., 305 Bowman St., Mansfield, Ohio (Assoc. M. Jan. '40)

Hiett, Gilmore, *see* Gorman-Rupp Co.

Holtzclaw, Leon, Asst. Water Supt., 1531—5th St., Port Arthur, Tex. (Oct. '46)

Jenkins, Joe E., Cons. Engr., Freese, Nichols & Turner, 701 S. Baker, Bryan, Tex. (July '42)

Kunkel, Martin F., 816 Woodside Pkwy., Silver Spring, Md. (Apr. '43)

Meissner, William A., Jr., 12604 Willard Ave., Garfield Heights 5, Ohio (July '38)

(*Continued on page 42*)

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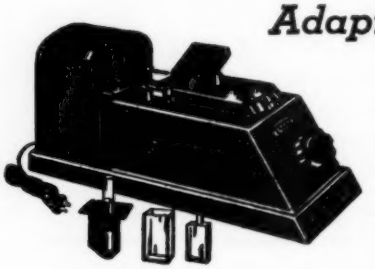

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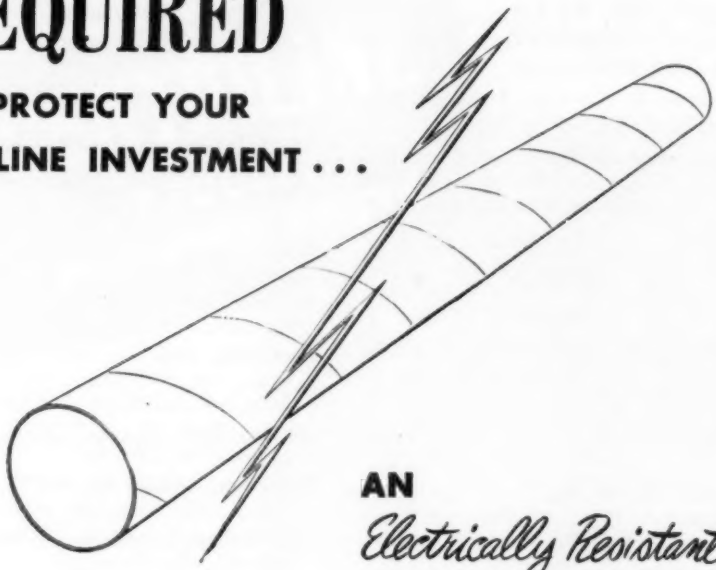

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(*Continued from page 40*)

Nolan, J. D., Secy.-Treas., Jefferson Parish Water Works Dist. 2, Marrero, La. (Oct. '46)

Ronhovde, I. N., City Mgr., Seymour, Tex. (Jan. '35)

Trelles, Ernesto E., Chief Chemist & Bacteriologist, City Water Works, Loma No. 9, Marianao, Havana, Cuba (July '38)

LOSSES

Deaths

Fergus, James, Supt., West Newton Water Co., 126—1st St., West Newton, Pa. (July '43) *MP*

Mead, Daniel W., 550 State St., Madison 3, Wis. (Apr. '89) *Honorary M. '30. P*

Wyckoff, Wayne W., Engr., Los Angeles Aqueduct, Dept. of Water & Power, Box 3669 Terminal Annex, Los Angeles 54, Calif. (Oct '34) *M*

Resignation

Eagle-Picher Sales Co., The, 420 Lexington Ave., New York 17, N.Y. (Assoc. M. Jan. '46)

Changes in Address

Changes received between October 5 and November 5, 1948

Black, Hayse H., 15411 Hazelridge St., Detroit 5, Mich. (Oct. '33) *PR*

Boquist, Walter H., 566 Teaneck Rd., Teaneck, N.J. (Jan. '41)

Borchardt, Jack A., Asst. Prof. of Civ. Eng., Civ. Eng. Dept., Univ. of Michigan, Ann Arbor, Mich. (Apr. '47)

Borton, Fred W., 547 N.E. 57th St., Miami, Fla. (Apr. '42)

Carpenter, George W., 903 E. State St., Ithaca, N.Y. (Jan. '35) *MP*

Cunningham, George A., 730 Florida Ave., Orlando, Fla. (Jan. '45)

(*Continued on page 44*)

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Valves—All Sizes—New and Reconditioned

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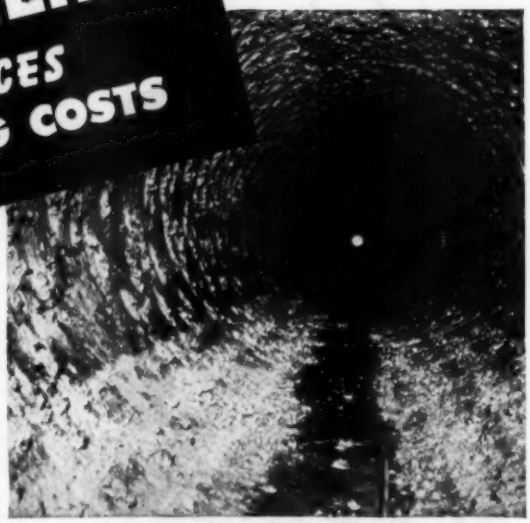

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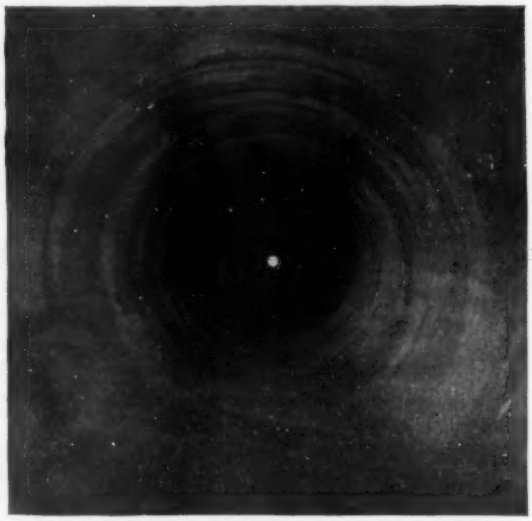

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DOES NOT STUN OR KILL FISH.

Recommended by State Conservation Officials. Free literature and quotations upon request.

Electric Fish Screen Co.

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(*Continued from page 42*)

Farr, Leo Grant, Jr., 5408 M St., Sacramento, Calif. (Jr. M. Apr. '48)

Galloway, George M., Layne-Northwest Co., 6005 W. Martin Drive, Milwaukee 13, Wis. (Jan. '42) *R*

Glass, Harry J., Mfrs. Repr., Box 1085, Denver 1, Colo. (Oct. '47) *PR*

Goudey, Ray F., 301½ S. Brand Blvd., Glendale 4, Calif. (Apr. '18) *Fuller Award '40. Goodell Prize '42. Director '45–'48. P*

Hopkins, O. C., U.S. Public Health Service, 239 Federal Office Bldg., San Francisco 2, Calif. (Jan. '37) *PR*

Jodaitis, Ladislaus T., U.S. Public Health Service, U.S. Custom House, Chicago, Ill. (July '43) *P*

Ogden, William H., Vice-Pres., Scranton-Spring Brook Water Service Co, 135 Jefferson Ave., Scranton, Pa. (July '35) *M*

Pizie, Stuart, 300 S.W. 21st Rd., Miami, Fla. (Oct. '42)

Price, L. E., Water Works, Sylacauga, Ala. (Jan. '47)

Robbins, Everitt, Water Works Engr., Speedway, Ind. (July '37) *M*

Rogers, Edward J., Pres. & Gen. Mgr., Layne-Northwest Co., 6005 W. Martin Drive, Milwaukee 13, Wis. (Jan. '42) *R*

Sanderson, A. U., Water Works Engr., Dept. of Works, 511 Richmond St., W., Toronto, Ont. (June '20) *Director '31–'34. MP*

Snow, Bayard F., 38 Bay View Ave., Salem, Mass. (Apr. '36)

Steenson, Harry D., City Mgr., Mt. Pleasant, Tex. (Oct. '39)

Stephenson, Robert J., Elk Creek Water Works Engr., Box 397, Chilliwack, B.C. (Jan. '45) *MP*

Swope, Gladys H. (Miss), 4832 Dorchester Ave., Chicago, Ill. (Jan. '44)

Tyler, Ralph L., American Water Works Co., 50 Broad St., New York 4, N.Y. (Jan. '37) *M*

Van Trump, S. N., Wilmington Suburban Water Co., Claymont, Del. (July '35)

Vinson, A. T., Vinson Specialty Paint Co., 522 W. Adams St., Jacksonville 2, Fla. (Apr. '42)

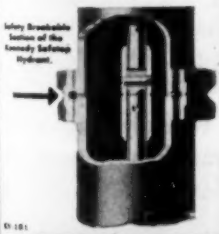
Whitehair, Thomas E., Cons. Engr., Apdo. 1819, San Jose, Costa Rica (Oct. '45)

SAFETOPS PREVENT GUSHERS IN THE HEADLINES!

In some communities it still happens.

Asleep at the wheel . . . *wham!* . . . the driver wakes up to find himself straddling a gusher. The police become emergency flood fighters . . . there is danger of damage to property . . . water service is shut off and costly hydrant repairs must be made.

You can't prevent the accident, but *you can* prevent the gusher and greatly lessen the danger. How? . . . by standardizing on Safetops, the hydrant with the original Safety Breakable Section.



When struck a blow which no hydrant can withstand, this section breaks cleanly. The valve remains intact; there's no gusher . . . no need to shut off water service. Repair costs? . . . 30 minutes of one man's time and a mere $10 worth of parts.

Accidents *will* happen. That's why it's wise to standardize on Safetops . . . for replacements . . . for new developments.

Dozing Driver Brings Gusher

Awakened as Car Hits Irvington Hydrant

Irvington police were called upon to act as flood-fighters early today after a driver who said he dozed at the wheel of his car, awoke to find his auto straddling a broken and gushing fire hydrant at Colt street and Welland avenue.

The driver, Vincent O'Hearn of 862 South 19th street, Newark, told Radio Patrolmen O'Connor and Seekell he was driving home at 4:30 A. M. today and fell asleep at the wheel. The Emergency Squad towed the slightly damaged auto to the curb and the Commonwealth Water Co. truck shut off the hydrant. O'Hearn went home for a change of clothing.

THE KENNEDY VALVE MFG. CO.
ELMIRA, NEW YORK

KENNEDY *Safetop* HYDRANT

(*Continued from page 14*)

Old Demon Prohibition has reared his ugly head again—this time in India, where Madras Province celebrated Gandhi's birthday last October by going on the wagon. And it's really a concern for the well-being of water suppliers rather than any personal tendency to tipple that makes us drag out the demonic appellation when discussing this drydom. Not that we object in any way to the increased use of water as a beverage. That, as a matter of fact, will do more good than harm, for, if the water is good, increased imbibition will pay more in appreciation than it costs in consumption. But it is the attendant increase in other forms of consumption which worries us.

Consider the history of even Indian prohibition as reported to *Time* by a government official who had studied the results of an earlier Bombay effort at abstention. "The first result of the experiment," he said, "was a large increase in water consumption, not because people were quenching their thirst on water, but because people were taking more baths. A woman who had only one sari had not bothered to take a bath; but when her husband could no longer spend his money on toddy he would go out and buy his wife a second sari. She was then encouraged to take baths."

Now, without going into the rather obvious decadence of manhood involved, extend this difficulty to just Madras Province with its population of approximately fifty million and imagine the headaches in demand that will befall its water works men. And remember, too, what a vicious circle of reactions something so contagious as cleanliness can cause—the cleaner they are, the cleaner they'll want their surroundings, etc. Why, in no time at all, water works men would be driven to drink and the whole process would soon have to start all over again. Could anything be more demonic than that?

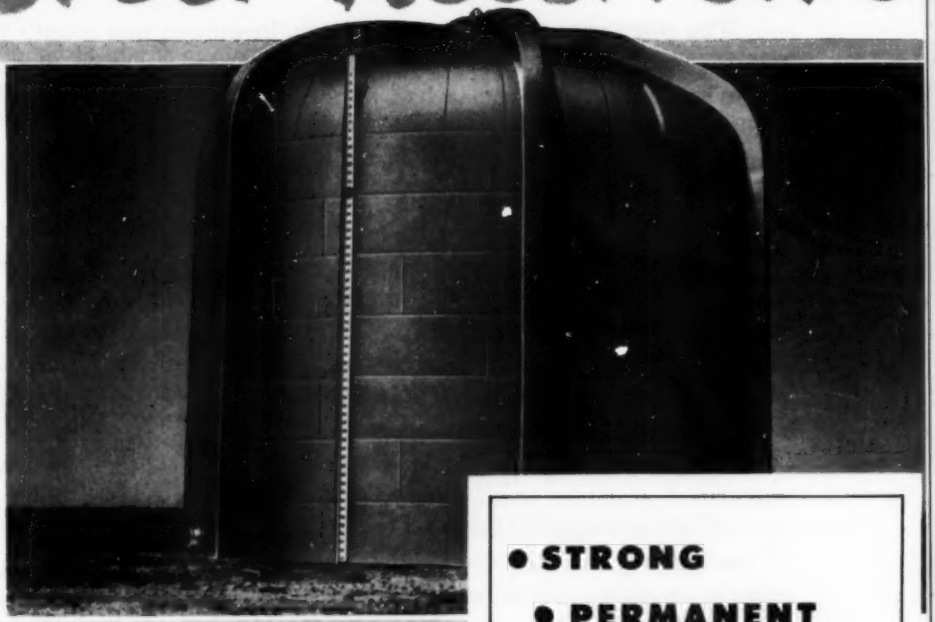
But speaking of demons, one Erastus Bright of Gilson, Ill., who must have seen many of them in the last 15 years, during which he has been arrested for drunkenness some 96 times, is convinced that water is his real Nemesis. Not the fear that it will "rust his pipes," but the fact that, when he tried to get a drink from the town pump recently, he fell off the platform and almost broke his hip is what has put him on the whiskey wagon for good (permanently, that is). Thus, incidentally, to our own Repeal can we attribute a measurable reduction of water consumption.

"Chlorine"—a handsomely printed and lavishly illustrated 72-page booklet on the properties, production, distribution and use of that element, has been prepared for distribution by the Pittsburgh Plate Glass Co., Columbia Chemical Div., and its affiliate, Southern Alkali Corp. Intended for the layman and student as well as the technical user, copies may be obtained from the parent company, Fifth Ave. at Bellefield, Pittsburgh 13, Pa.

(*Continued on page 48*)

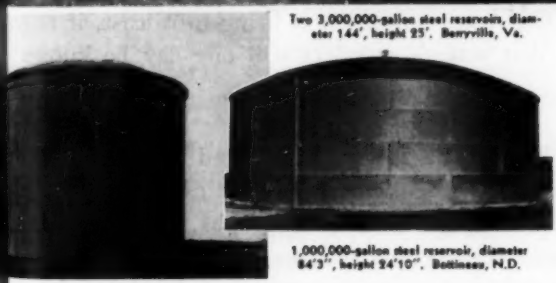
PITTSBURGH · DES MOINES

Steel Reservoirs



[illegible]00,000-gallon [illegible]l reservoir, [illegible] ellipsoidal [illegible] and ornamental pilasters. [illegible]meter 80', [illegible]ht to roof 51'. [illegible]land, Tex.

Two 3,000,000-gallon steel reservoirs, diameter 144', height 25'. Berryville, Va.



1,000,000-gallon steel reservoir, diameter 84'3", height 24'10". Bottineau, N.D.

[illegible]00,000-gallon steel reservoir, with ornamental cornice. Capitol Heights, Md.

[illegible]-gallon steel reservoir, ellipsoidal roof; [illegible] 48', height 25'. Fort Benton, Mont.

Two 100,000-gallon steel reservoirs, cone roof; diameter 30', height 21'. Atlantic, Iowa

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DALLAS . . . . . 1229 Praetorian Bldg.
SEATTLE . . . . . 932 Lane Street
SANTA CLARA, CAL. . . . . 631 Alviso Road

(*Continued from page 46*)

The story of water's powers rolls on, headlined this month by the tale of 110-year-old Mag Frisby of Whiteford, Md., who attributed her longevity to the gallon and a half of water she drank daily. When she finally passed away in her sleep last October, Old Mag had to her credit somewhat over 60,000 gal. of water, but, more to our point, water had to its credit some 110 years of healthy existence.

There are those, of course, who will doubt that Old Mag knew whereof she spoke. There are those who will point to the case of 100-year-old Ezra Stokes who refused to tell reporters his secret until he had a chance to come to terms with one of the advertising agents who were soliciting his testimonial. But we refuse to doubt, particularly because we are quite sure that no water works man could afford to pay the price of the publicity. Besides we have other strings to our bow.

At about the same time, in Darlington, N.J., education at the Immaculate Conception Seminary slowed down to a virtual standstill because dwindling water supplies made it impossible to carry on the normal activities of the school. And in New York City, production of the morning *Star* came to an abrupt halt when a leak caused interruption of water service to its building. Only emergency action by the Mayor, who dispatched a Fire Department pumper to the newspaper's aid, made it possible to get out the edition on schedule. And the *Star* was forced to admit that, apparently, only its editors could function without water.

All of which testimony is taken not to convince you of what you already know, but to convince you that your conviction is being broadcast, if only by creeps and crawls, and that water's wonders will one day be known. *Skål!*

Disc type meters of large capacity manufactured by Pittsburgh Equitable Meter Div., Rockwell Mfg. Co., are the subject of a new bulletin, No. W–807. Sectioned drawing, phantom photographs, lists of repair parts, complete specifications and prices for all sizes from 1½- through 4-in. sizes combine to give the complete story on these meters for industrial and commercial services. Copies are obtainable from the company at Pittsburgh 8, Pa.

A diesel engine sales campaign was begun by Fairbanks, Morse & Co. with a four-day "work conference" which over 200 sales and service division men attended. The conference opened with a management seminar on the hiring and improvement of personnel, went on with an inspection tour of the Beloit, Wis., plant, and devoted two days to engineering considerations. New models were shown and discussed, and a comprehensive discussion of such subjects as dual fuel use was held.

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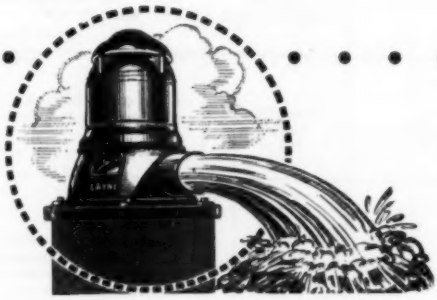

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WELL WATER SYSTEMS

CHEMICAL USERS' GUIDE To General Chemical Products

PRODUCT	AVAILABLE FORMS	COMMERCIAL STRENGTH (Min.)	SHIPPING CONTAINERS	APPLICATIONS
Aluminum Sulfate $Al_2(SO_4)_3 \cdot 14H_2O$ approx. *(Filter Alum)*	Commercial & Iron Free: Lump Ground Powdered	17.25% Al_2O_3	Bags Barrels Drums Bulk Carloads	Coagulant for water and sewage. Dewatering conditioner for sewage sludge. 1% Sol. pH 3.4.
Aqua Ammonia NH_4OH plus Water *(Ammonia Water)*	Colorless Liquid	26°Be. (29.4% NH_3)	Steel Drums Carboys	Used with chlorine to form chloramines for water disinfection.
Ammonium Aluminum Sulfate $Al_2(SO_4)_3 \cdot (NH_4)_2SO_4 \cdot 24H_2O$ *(Ammonia Alum)* *(Crystal Alum)*	Lump Nut Granular Powdered	11.2% Al_2O_3	Bags Fibre Drums	Coagulant for water. Advantageous for pressure filters. Supplies ammonia for chloramine formation. 1% Sol. pH 3.5.
Sodium Bisulfite, Anhydrous $Na_2S_2O_5$ *(ABS)* *(Sodium Metabisulfite)*	Powdered	97.5% $Na_2S_2O_5$ (Equiv. 65.5% SO_2)	Fibre Drums	Antichlor. Remove iron and manganese deposits from filter sand. 1% Sol. pH 4.6.
Sodium Silicate $Na_2O \cdot X(SiO_2)$ plus H_2O *(Water Glass)* *(Silicate of Soda)*	Viscous Liquid	38° to 52°Be Various Ratios of $Na_2O:SiO_2$	Drums Tank Cars Tank Trucks	1. Aid in floc formation. 2. Prevent red water corrosion in distribution lines. 1% Sol. pH 12.7.
Sodium Thiosulfate $Na_2S_2O_3 \cdot 5H_2O$ *(Hypo)* *(Sodium Hyposulfite)*	Crystals: Prismatic Rice Selected Universal Granular	99.75% $Na_2S_2O_3 \cdot 5H_2O$	Bags Barrels Fibre Drums	Antichlor. Water solution is neutral.
Sulfuric Acid H_2SO_4 plus H_2O *(Oil of Vitriol)*	Corrosive, oily liquid Various strengths	66°Be. (93 19% H_2SO_4)	Bottles Carboys Drums Tank Trucks Tank Cars	1. Reduce pH and alkalinity. 2. Regenerate carbaceous zeolites and ion exchangers. 3 Activate Baylis Silicate.
Potassium Aluminum Sulfate $Al_2(SO_4)_3 \cdot K_2SO_4 \cdot 24H_2O$ *(Potash Alum)*	Lump Nut Granular Powdered	10.7% Al_2O_3	Bags Fibre Drums	Coagulant for water. Slow even rate of solubility desirable for solution pot feeders. 1% Sol. pH 3.52.
Sodium Sulfite, Anhydrous Na_2SO_3 *("Sulfite")*	Granular Powdered	98.5% Na_2SO_3	Bags Fibre Drums	Antichlor, oxygen remover. Weak solutions absorb oxygen readily 1% Sol. pH 9 8.

for Treatment of Water, Sewage, and Industrial Wastes

PRODUCT	AVAILABLE FORMS	COMMERCIAL STRENGTH (Min.)	SHIPPING CONTAINERS	APPLICATIONS
Sodium Sulfate, Crystal $Na_2SO_4 \cdot 10H_2O$ (*Glauber's Salt*)	Crystal & Needle Crystal	96% $Na_2SO_4 \cdot 10H_2O$	Barrels Bags Drums	Neutral Solution. Boiler water treatment (maintenance of sulfate-carbonate ratio).
Sodium Sulfate, Anhydrous Na_2SO_4	Powdered	99.5% Na_2SO_4	Bags Barrels	Neutral Solution. Boiler water treatment (sulfate-carbonate ratio).
Trisodium Phosphate $Na_3PO_4 \cdot 12H_2O$ (*TSP*)	Crystal	98.5–103% $Na_3PO_4 \cdot 12H_2O$ (Equiv. 19% P_2O_5)	Bags Barrels Fibre Drums	Boiler water treatment. Cleaning compound. 1% Sol. pH 11.8-12.0.
Disodium Phosphate, Crystal $Na_2HPO_4 \cdot 12H_2O$	Crystal	98% $Na_2HPO_4 \cdot 12H_2O$ (Equiv. 19.5% P_2O_5)	Bags Barrels Fibre Drums	Boiler water. (Calcium and magnesium precipitation.) 1% Sol. pH 8.4.
Disodium Phosphate, Anhydrous Na_2HPO_4	Powdered Flake	96% Na_2HPO_4 (Equiv. 48% P_2O_5)	Same	Same as Crystal, but stronger product.
Sodium Fluoride NaF (*Fluoride*)	Powdered (white or blue colored: Nile Blue) Light or dense	90% and 95% NaF	Bags Barrels Fibre Drums	Fluorination of water supplies. (For information, consult with local health officers.)

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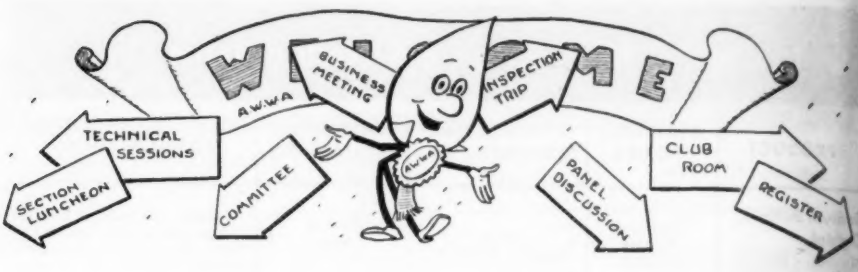

Section Meeting Reports

Alabama-Mississippi Section: The first annual meeting of the Alabama-Mississippi Section was held at the Whitley Hotel in Montgomery, Ala., on October 13, 14 and 15. The total registration was 116, and 140 persons attended the banquet on the second night of the meeting.

The first morning was devoted to registration and provided time for informal conversation and exchange of greetings. Registration for approximately 25 ladies was held on the mezzanine. The meeting was called to order by Arthur N. Beck, Chairman, who presided during the first day. Mayor John L. Goodwyn of Montgomery welcomed all in attendance, and the response was made by Chairman Beck.

The technical session opened with an interesting talk by A. P. Black, A.W.W.A. Vice-President, on "Recent Advances in Water Treatment." Discussion from the floor was led by William E. Johnson, Cons. Engr. of Jackson, Miss., and Paul Krebs of Polglaze & Basenberg, Engrs., Birmingham, Ala. An enlightening paper on "Consumption, Conservation, Waste and Leaks" was presented by H. E. Beckwith, Dist. Mgr., Pitometer Co., Pittsburgh, Pa. The discussion was led by T. M. Lowe, Professor at Alabama Polytechnic Inst., Auburn, Ala., and Frank Crow, Mgr. of the Water

(*Continued on page 54*)

IN BULLETIN 1, THE CORRELATING COMMITTEE ON CATHODIC PROTECTION OF THE NATIONAL ASSOCIATION OF CORROSION ENGINEERS SAYS:

The fundamentals of Cathodic Protection are simple, but solution of the inherent technical and economic problems requires a high degree of technical skill.

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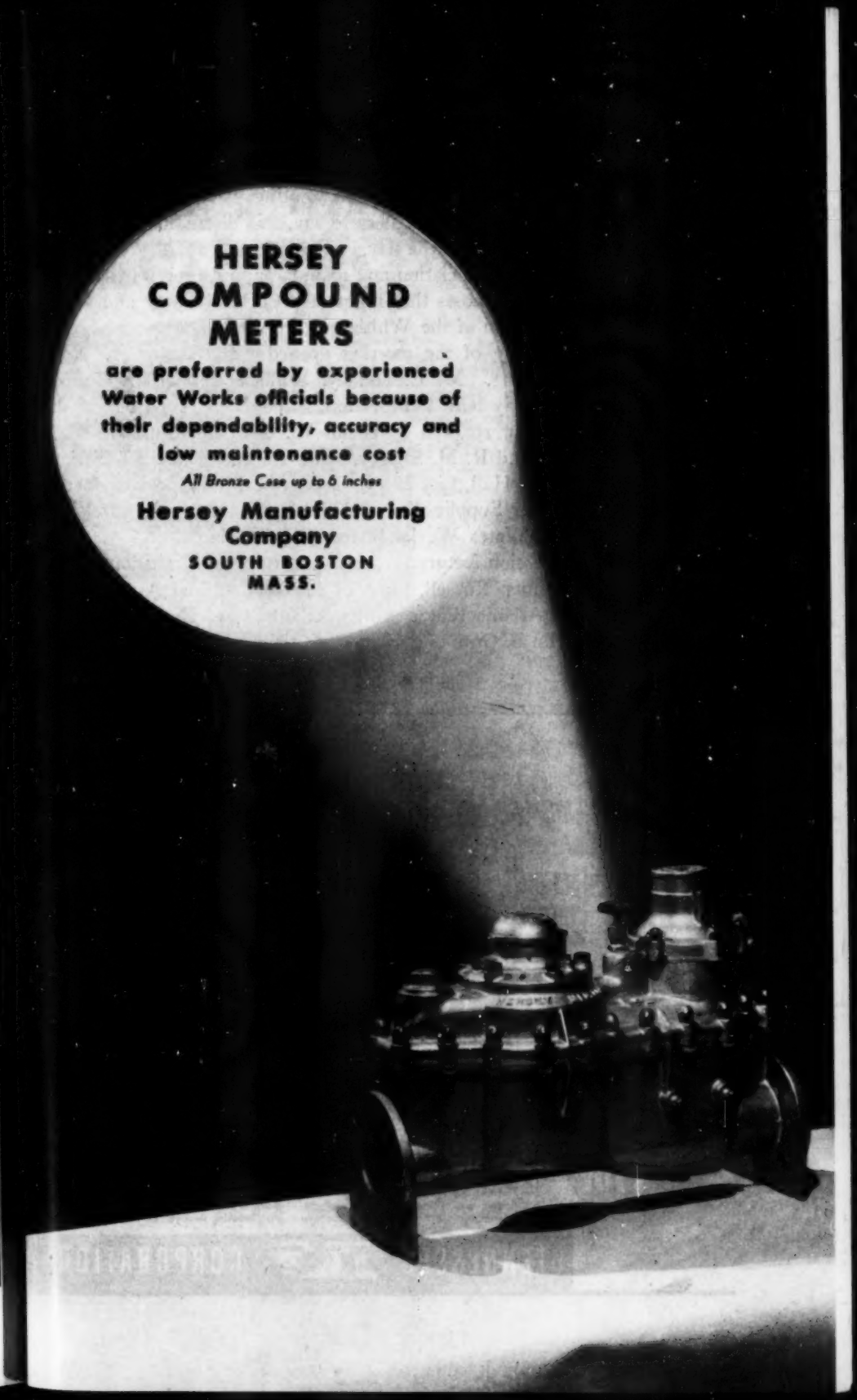
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COMPOUND
METERS
are preferred by experienced
Water Works officials because of
their dependability, accuracy and
low maintenance cost
All Bronze Case up to 6 inches
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Company
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MASS.

(*Continued from page 52*)

Works at Florence, Ala. During this discussion, that old favorite of all water works men came up—the subject of jointing materials and methods of making proper pipe joints. Needless to say, this discussion lasted until the meeting was adjourned for the day.

The Manufacturers Association and manufacturers' representatives attending the meeting were hosts that night at a Cocktail Party and Buffet Supper in the Civic Room of the Whitley Hotel.

The second morning of the meeting opened with Baxter H. Wade, Vice-Chairman, presiding. M. E. Henley, Wallace & Tiernan Co., described "Distribution System Disinfection," and there followed a discussion by those present sparked by Glenn W. Cowham, Supt. of Water Plants, Montgomery, and R. M. Striger, Sales Engr., Feemster & Striger, Jackson, Miss. Frank Hall, City Engr., Greenville Miss., gave a paper on "Municipal Well Water Supplies," and discussion of this paper was led by T. H. Collins, Mgr., Water Works Board, Ozark, Ala.

The afternoon session featured a paper on "Internal Corrosion and Its Prevention" by Sherman Russell, Supt. of Purification, and A. T. Storey, Chemist, both of the Atlanta Water Works, Atlanta, Ga. Discussion of this paper was led by John E. Gran of the Univ. of Alabama and E. M. Stickney,

(*Continued on page 56*)

TENNESSEE CORPORATION ferri-floc FERRIC SULPHATE

As Summarized By a Prominent Professor of Chemistry and Water Consultant of a Large University

Coagulation is effective over a much wider pH range than with other coagulants. Color flocs may be formed in the very acid range. On the other hand, true hydrated ferric oxide flocs may be formed at pH 9-10, or even higher, for the removal of turbidity and manganese.

The time required for floc formation, conditioning, and settling is in most cases considerably shorter than that required for other coagulants.

Filter runs have been markedly increased in most cases.

Manganese is successfully removed at pH values above 9.

Effluents may be produced which are exceedingly low in both iron and aluminum.

Ferric floc does not seem to stick to sand grains to form mud balls, and is subject to less "breaking through" on the filters.

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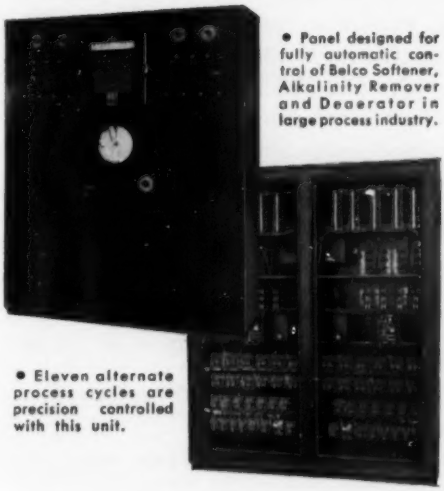

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Belco

PROCESSES FOR REMOVAL OF WATER IMPURITIES

(*Continued from page 54*)

Mgr. of the Mobile, Ala., Water Works. J. C. Clarke, Director, Alabama Water Improvement Advisory Commission, next presented a detailed description of "Alabama's Stream Sanitation Program," and Gilbert H. Dunstan of the Univ. of Alabama led the discussion of this subject. H. A. Kroeze, Trustee of the Section, presided at the afternoon meeting.

We were doubly honored at the banquet that night by the presence of both Linn H. Enslow, A.W.W.A. President, and Vice-President Black. Mr. Enslow made the announcement that A. N. Beck, Chairman, had been named recipient of the Fuller Award. Dr. Black spoke on "A.W.W.A. Affairs." After the banquet, members were entertained by a fascinating demonstration by the "Great Brandino," magician extraordinary.

The final day of the meeting was begun by A. O. Norris, Vice-President and Gen. Mgr., Birmingham Water Works Co., who presented a paper on the most important subject of "Financing Distribution System Extensions." Panel discussion of this subject was led by E. L. Myers, Supt., Water Works, Jackson, Miss. The large amount of formulas and technical data in the paper made it seem advisable to distribute copies to the entire membership of the Section.

(*Continued on page 58*)

On the Record

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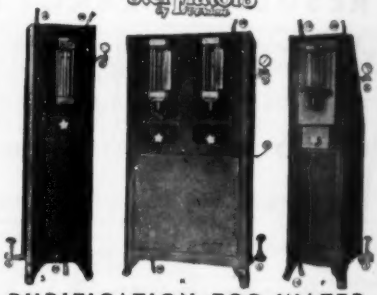

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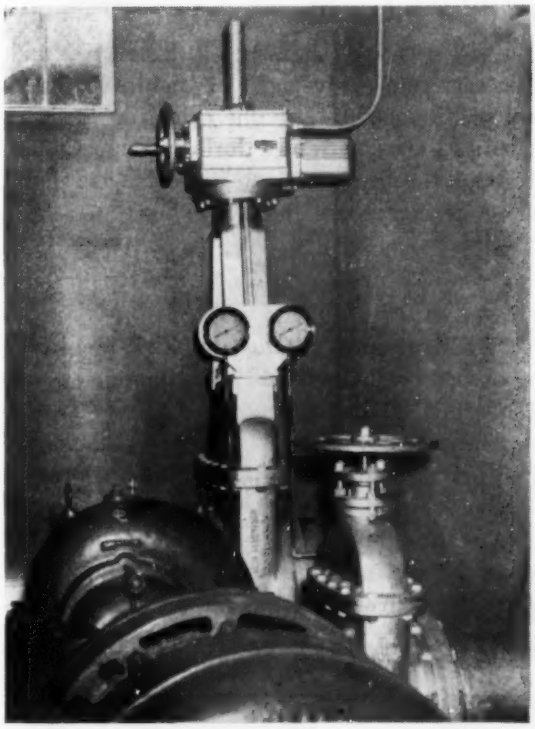

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(*Continued from page 56*)

A feature of the technical sessions was the spontaneous, instructive and interesting discussions following each and every paper and address. It is felt that the success of this part of the meeting was due primarily to these enthusiastic discussions. The ladies were entertained during the meeting at a theater party; a motor trip through the city; a visit to Rosemont Gardens, the South's leading florist; and a luncheon at the Blue Moon Inn.

J. L. Snow,
Secretary-Treasurer

Four States + Western Pennsylvania → Chesapeake + Pennsylvania: Out of the joint meeting of the Four States and Western Pennsylvania Sections at the Penn Sheraton Hotel, Philadelphia, Pa., October 20–22, 1948, came the long-awaited formation—"by fission," as it was pointed out —of the new Chesapeake and Pennsylvania Sections. The Chesapeake Section includes Maryland, Delaware and the District of Columbia. It thus supersedes the Four States Section, but with the exception that it relinquishes eastern Pennsylvania. Members from that area were combined with those from the old Western Pennsylvania Section to form a new, uni-

(*Continued on page 60*)

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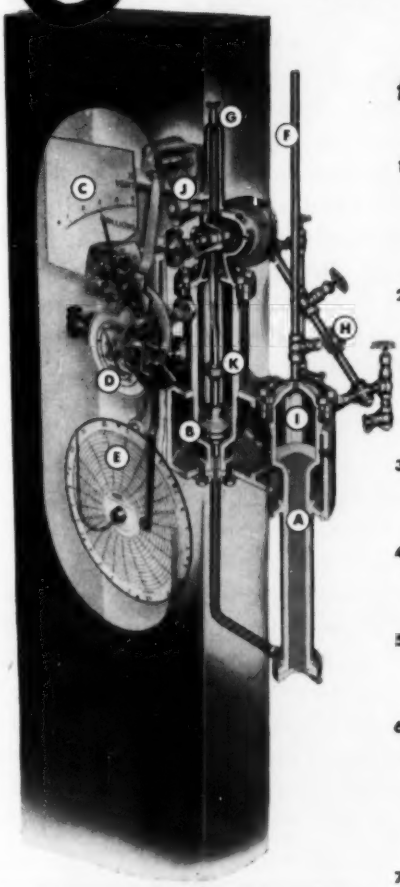

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Large wells containing 35 lbs. of mercury (A) and a solid float of 10¼ sq. in. area having a vertical travel of 4½" (B) provide the reserve power necessary for years of super-sensitive, accurate, and trouble-free operation.

2. EASY-TO-READ DIALS:
Separate Indicator 10" long, uniformly-spaced, direct-reading graduations (C); direct-reading Totalizer: 6 dials, largest dial 3½" dia. with fast-moving hand for precision reading (D); uniformly-spaced, direct-reading Blueline Charts 12" nominal dia. for correct perspective and equal ease and accuracy of readings at low and high rates of flow (E).

3. BUILT-IN CALIBRATING DEVICE:
Accuracy of registration easily and quickly checked in the field by means of built-in water head test pipe (F).

4. UNAFFECTED BY TRAPPED AIR:
Trapped air has no effect on accuracy; air easily removed through a valve at the top of each well (G and H).

5. MEEHANITE IRON:
Mercury wells (I), main bracket on which mechanism and wells are mounted (J), and float (B) are high-tensile MEEHANITE iron.

6. HIGH ACCURACY — WIDE RANGE:
Registration with plus or minus 1% (response to differential induced by actual flow rate) over range of 100% to 6½% capacity for Model MDUA; within plus or minus ½% from 100% to 50% and within plus or minus 1% from 50% to 5% of capacity for Model MDUAX.

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Check valve (K) prevents loss of mercury even at extreme overload differentials.

8. LONG LIFE:
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BUILDERS PROVIDENCE
Instruments

(*Continued from page 58*)

fied Pennsylvania Section. The combined attendance, exclusive of ladies, was 180.

The technical program represented not only the local interests of the sections, but also national interests. The meeting was greeted by Elbert J. Taylor, Chief of the Philadelphia Bureau of Water Supply. The first paper by James H. Allen, "Incodel," dealt with the future water supply of the Delaware River Basin, including the states of New York, New Jersey, Pennsylvania and Delaware. A very interesting paper on the other end of the state of Pennsylvania was presented by Arthur H. Todd, of Wheeling, W.Va. It was titled: "Chlorine Dioxide Treatment of the Ohio River."

The afternoon session, with Edwin C. Goehring presiding, consisted of an initial address by Francis C. Gafford, Deputy Attorney General of Pennsylvania, on "Pennsylvania Law and Public Water Supply Pollution." This address was followed by a flocculation and sedimentation panel, guided by W. A. Darby, A. A. Kalinske, Durando Miller, O. D. Voigt and E. A. Schmitt. Water supply and fire prevention was discussed by S. F. Newkirk Jr., and this paper was followed by Elbert J. Taylor's discussion of "Ozonation at Philadelphia." Many of those attending the meeting made an inspection trip to the new ozone plant at Belmont Filters in Philadelphia, which is scheduled to go into operation before the end of the year, and is reported to be the largest ozone plant in the world.

Friday's meeting was opened by the newly elected chairman of the Chesapeake Section, E. A. Schmitt, and a very interesting movie "Microflora in Water Supplies" was presented through the courtesy of Richard D. Hoak. This was followed by a panel discussion on Departmental Operations. The legal angle was treated by John H. Murdoch Jr.; rate regulation, by Paul L. Holland; design, by D. E. Davis; and watershed sanitation, by Carl A. Hechmer. An extremely interesting paper titled "Multiple Telemetering Over a Single Telephone Circuit" was presented by John H. Henderson and J. M. Jester.

The afternoon session was opened by the newly elected chairman of the Pennsylvania Section, Elbert J. Taylor. The first paper, offered by J. H. Ferguson, Dean of the School of Politics, New York School of Social Research, was called "Municipally Owned Water Works in Pennsylvania." This paper was followed by very interesting discussions from sanitary engineers of Delaware, Pennsylvania and Maryland on the "Effect of Use of Water Works Income for General Municipal Purposes." Those leading the discussion were R. C. Beckett of Delaware, J. R. Hoffert of Pennsylvania and J. R. McComas of Maryland. The technical program was closed by an outstanding paper on a supplementary method for bacteriological examination of water, by L. Gonshery and Norman C. Lasser, Univ. of Maryland.

(*Continued on page 62*)

A two-way stretch every forty feet

Here's a pipe line that can flex and stretch at every joint without losing its figure. Even earth movement near the riverbank, and the freeze-and-thaw of northern winters will leave it bottle-tight.

Each forty-foot section of strong, shatterproof steel pipe is cushioned against the stresses of underground service by the flexible Dresser Couplings which join it to its neighbors. The couplings, with their specially compounded rubber gaskets, harmlessly absorb expansion, contraction and other movement . . . assure continued joint tightness.

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And with Dressers, you get the full advantage of modern, glass-smooth pipe linings. Dresser Couplings fit outside the pipe. There is no heat to damage lining—no need for workmen to go inside the pipe.

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SIMPLE • FAST
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Even in cramped quarters encountered in city work, Dresser Style 38 Couplings make permanently tight, flexible joints every time.

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(*Continued from page 60*)

Entertainment of the clubroom type was available through the courtesy of the manufacturers' representatives. A reception, cabaret style, was held in the Della Robbia Room, on October 20, a ladies' bridge luncheon on October 21, and a cocktail party before the banquet and dance the same day. The ballroom was also set up in cabaret style for the dance which followed the banquet.

W. A. Welch,
Secretary-Treasurer, Four States Section

Iowa Section: A very successful annual meeting was held by the Iowa Section in Fort Dodge, Iowa, on October 5 and 6, 1948, with 84 water works employees representing 40 communities registered. In addition, 45 manufacturers' representatives and engineers registered, while 28 ladies helped swell the total registration to 157.

After the meeting was called to order by Chairman Joe J. Hail, a panel discussion on the subject of "Water Rates" was led by M. K. Tenny of Des Moines. On the panel, Vernon R. Kneer, of the consulting firm of Alvord, Burdick and Howson, presented facts and figures in favor of increasing water rates. Roy Ellis of Oskaloosa argued convincingly that water rates to consumers living outside the city limits should be higher than the regular schedule of rates. C. W. Hamlin of Mason City talked about the reactions of consumers toward increased water rates. A good discussion followed the panel in which many participated. At the close of the discussion, a poll of the cities represented indicated that about 20 per cent had increased water rates whereas 30 per cent had not. About 15 per cent of those not committing themselves indicated that they might consider rate increases before too long.

Following the discussion on rates, John Pray of Fort Dodge gave an interesting and informative talk on "Industrial Consumption" and warned against the policy of setting the industrial rate too low. The Wednesday

(*Continued on page 64*)

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Wabash, Indiana

(*Continued from page 62*)

morning session was opened by a panel discussion led by H. V. Pedersen of Marshalltown on the subject "Iowa Water Resources." Lawrence C. Crawford of the U.S. Geological Survey talked about rainfall and explained how Iowa's 32-in. average of rain is the state's chief water resource. R. W. Brooks of the Layne Western Co. talked about underground supplies and defined the difference between shallow and deep wells. He asserted that some deep wells in certain sections were not as productive as they had been in the past. Mark Driftmeier of Burlington told about the advantages of surface supplies and concluded that all cities would be wise, where at all possible, to develop well supplies rather than worry about taste and odors in surface water. From the discussion which followed it could be concluded that although Iowa has no serious water supply problem now, the indications are that it will as its population increases.

The morning session closed with a paper prepared by Earle R. Waterman of Iowa City entitled "Training Water Works Personnel." His paper contained a report of a survey he had made to ascertain what other states were doing to raise the standard of water works personnel and concluded with a recommendation that Iowa should adopt some program.

During the afternoon session, Dale Maffitt of Des Moines read a most excellent paper on "Planned Retirement for Water Works Employees." He reviewed how the state pension plan was functioning and how many of the larger cities had drafted their own plan to augment the state plan. Joe J. Hail of Dubuque then talked on "Cathodic Protection of Elevated Tanks" and showed a number of pictures explaining the progress that had been made in this field of endeavor.

The annual meeting closed with a well-attended banquet with Harry Jordan, A.W.W.A. Secretary, as guest speaker. Everyone who enjoyed the third annual meeting of the Iowa Section at Fort Dodge must give the credit for its success to the chairman of local arrangements and genial host, John J. Pray, who is without doubt a master in the art of radiating hospitality and arranging good, wholesome entertainment.

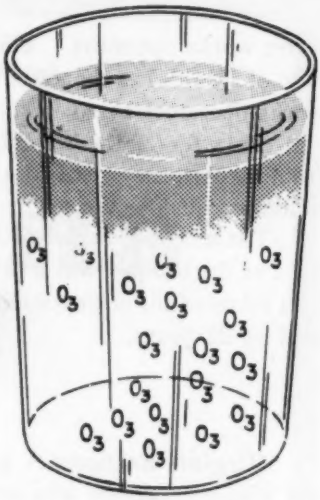
H. V. Pedersen,
Secretary-Treasurer

Missouri Section: The third annual meeting of the Missouri Section A.W.W.A. was held jointly with the Missouri Water and Sewerage Conference in Jefferson City on October 24, 25 and 26, and 197 members and guests of the two organizations attended.

The program was devoted chiefly to problems of management and distribution systems. Perhaps one of the most important features of the meeting was a report on a resolution passed by the Section last year requesting that the Div. of Health ask the State Attorney General whether, under existing sanitation laws, the division has the authority to require certification of

(*Continued on page 66*)

Out GOES THE COLOR



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(*Continued from page 64*)

water works operators. The report from the committee indicated that the Div. of Health has the authority to set up minimum qualifications for water works operators based, perhaps, on the population of the city and the type and character of the water treatment plant. With this tentative opinion from the Attorney General, the division proposes to proceed with setting up minimum qualifications.

The meeting concluded with a banquet on Tuesday evening. The highlight of the banquet was a presentation to W. Scott Johnson of a silver tray as a token of his achievements in public health work in Missouri over a period of 25 years.

WARREN A. KRAMER
Secretary-Treasurer

Virginia Section: A most successful and constructive meeting of the Virginia Section was held at the John Marshall Hotel, Richmond, on October 25 and 26, 1948. An all-time high for attendance was set, there being a total of 226 members and guests present.

As in the past, the meeting was confined to a two-day session with the technical session starting on Monday afternoon. The morning was de-

(*Continued on page 68*)

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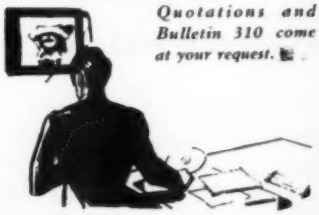

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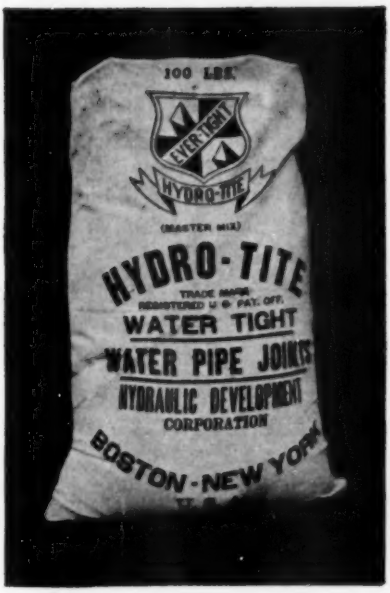

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(*Continued from page 66*)

voted to registration and an inspection of the Richmond meter shop, together with other equipment used by the city in its construction and maintenance program. A most interesting demonstration of mechanical-jointed pipe, valves inserted under pressure and tapping of mains attracted a large number of visitors.

Technical sessions were presided over by the Chairman, "Mike" Siebert, who handled the chair like a skipper. "Water Supply Conservation" was the title of a paper by Donald S. Wallace, Dist. Engr., U.S. Geological Survey, from Charlottesville. This paper dealt with conditions primarily in Virginia, and maintained that the most effective means to conserve or increase our usable supply of surface or ground water would be the creation of numerous storage reservoirs distributed over the state.

Vice-President Black gave a convincing and hair-raising talk on "Recent Advances in Water Treatment." This talk was appreciated by many who still are confronted with the problem of corrosion. "Cleaning Pipe Lines" was the subject of a paper by Walter S. Grant Jr., Chief Engr. Newport News Waterworks Commission, who described in detail the necessary preliminaries incident to cleaning a pipeline.

On the morning of the second day, a Motion Picture Symposium opened the technical session. Two pictures—"The Design and Construction of a Water Collection and Transmission System" and "Installation of a 36-in. Valve Inserted Under Pressure in a 36-in. Cast-Iron Pipe Main"—were well received by the group. Charles E. Moore, Mgr. of the Roanoke Water Dept., presented a paper on "Rules and Regulations Covering City Water Connections, Policy, Location and Increase in Per Capita Usage for Future Planning." This paper, with a discussion by M. C. Smith, was most enlightening and created considerable discussion.

A paper entitled "Emergencies in City Water Service" by Whitworth Cotten, City Engr., Petersburg, covered the many problems resulting from failures where emergency facilities are not provided. C. L. Crockett, Chief Chemist of the Norfolk & Western Railroad, Roanoke, gave a paper on "Painting of Concrete Structures, Pipelines and Water Works Equipment," in which he discussed color codes for pipelines and the classes of various materials that may be conveyed through pipes with the colors indicated. He described many paints for various purposes, including those for concrete structures.

The annual banquet, which is always a highlight of the meeting, was held Monday night. At this session the Chairman of the Fuller Award Committee announced that his committee had selected W. H. Shewbridge to be recipient of the award.

Ladies were entertained at bridge on Monday, a fashion show on Tuesday morning and a luncheon in the afternoon.

W. H. SHEWBRIDGE,
Secretary-Treasurer

Worthington-Gamon

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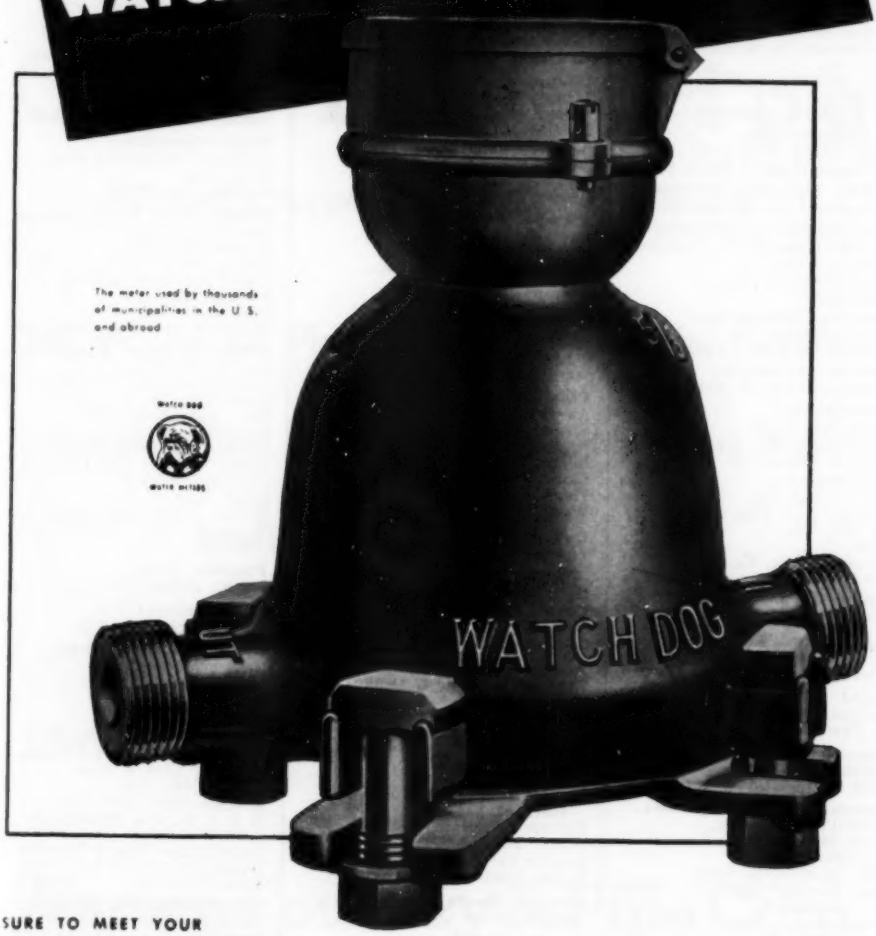

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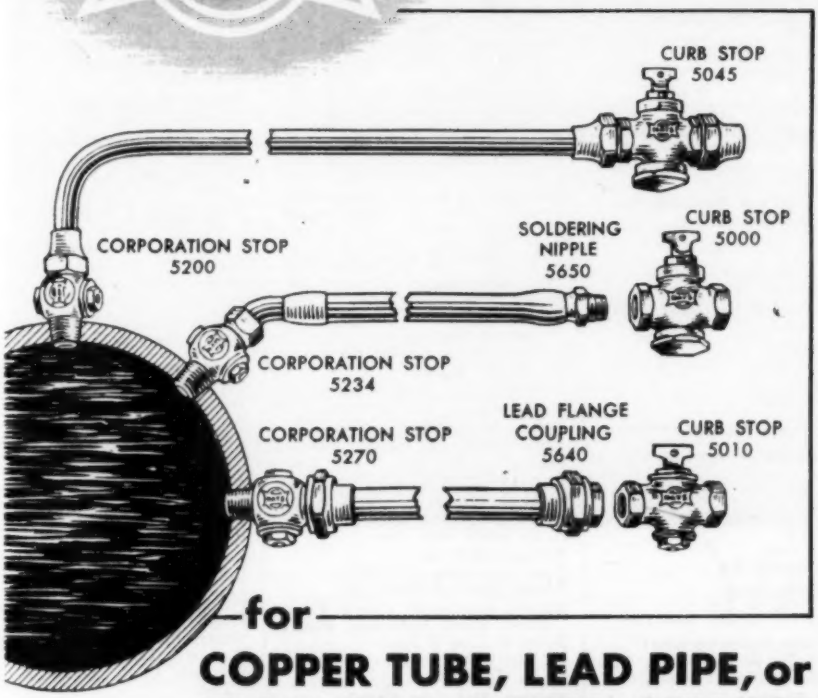

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Infilco, Inc.
Liquid Conditioning Corp.
Permutit Co.
Walker Process Equipment, Inc.

Softening Chemicals and Compounds:
Calgon, Inc.
Infilco, Inc.
Liquid Conditioning Corp.
Permutit Co.
Tennessee Corp.
Zeolite Chemical Co.

Standpipes, Steel:
Chicago Bridge & Iron Co.
Pittsburgh-Des Moines Steel Co.

Steel Plate Construction:
Chicago Bridge & Iron Co.
Pittsburgh-Des Moines Steel Co.

Storage Tanks:
Chicago Bridge & Iron Co.
Pittsburgh-Des Moines Steel Co.

Strainers, Suction:
M. Greenberg's Sons
R. D. Wood Co.

Sulfur Dioxide, Liquid:
Virginia Smelting Co.

Surface Wash Equipment:
Liquid Conditioning Corp.
Permutit Co.
Stuart Corp.

Swimming Pool Sterilization:
Everson Mfg. Corp.
Omega Machine Co. (Div., Builders Iron Fdry.)
Proportioneers, Inc.
Wallace & Tiernan Co., Inc.
Welsbach Corp., Ozone Processes Div.

Tanks, Steel:
Chicago Bridge & Iron Co.
Pittsburgh-Des Moines Steel Co.

Tapping Machines:
Hays Mfg. Co.
Mueller Co.
A. P. Smith Mfg. Co.

Taste and Odor Removal:
Industrial Chemical Sales Div.
Infilco, Inc.
Liquid Conditioning Corp.
Proportioneers, Inc.
Walker Process Equipment, Inc.
Wallace & Tiernan Co., Inc.
Welsbach Corp., Ozone Processes Div.

Telemeters, Level, Pump Control, Rate of Flow, Gate Position, etc.:
Builders-Providence, Inc.
Simplex Valve & Meter Co.

Turbidimeters:
Hellige, Inc.
Wallace & Tiernan Co., Inc.

Turbines, Steam:
DeLaval Steam Turbine Co.

Turbines, Water:
DeLaval Steam Turbine Co.

Valve Boxes:
Central Foundry Co.
James B. Clow & Sons
Ford Meter Box Co.
A. P. Smith Mfg. Co.
R. D. Wood Co.

Valve Inserting Machines:
A. P. Smith Mfg. Co.

Valves, Altitude:
Ross Valve Mfg. Co., Inc.
Simplex Valve & Meter Co.

Valves, Butterfly, Check, Flap, Foot, Hose, Mud and Plug:
James B. Clow & Sons
M. Greenberg's Sons
R. D. Wood Co.

Valves, Detector Check:
Hersey Mfg. Co.

Valves, Electrically Operated:
James B. Clow & Sons
Kennedy Valve Mfg. Co.
Philadelphia Gear Works, Inc.
A. P. Smith Mfg. Co.

Valves, Float:
Ross Valve Mfg. Co., Inc.

Valves, Gate:
Dresser Mfg. Div.
Kennedy Valve Mfg. Co.
Ludlow Valve Mfg. Co.
M & H Valve & Fittings Co.
Mueller Co.
A. P. Smith Mfg. Co.
R. D. Wood Co.

Valves, Hydraulically Operated:
James B. Clow & Sons
Kennedy Valve Mfg. Co.
Philadelphia Gear Works, Inc.
A. P. Smith Mfg. Co.
R. D. Wood Co.

Valves, Large Diameter:
James B. Clow & Sons
Kennedy Valve Mfg. Co.
Ludlow Valve Mfg. Co.
A. P. Smith Mfg. Co.
R. D. Wood Co.

Valves, Regulating:
Ross Valve Mfg. Co.

Valves, Swing Check:
James B. Clow & Sons
M. Greenberg's Sons
Ludlow Valve Mfg. Co.
A. P. Smith Mfg. Co.
R. D. Wood Co.

Vibrators (Chemical Feeding):
Syntron Co.

Waterproofing
Inertol Co., Inc.

Water Softening Plants:
(See Softeners)

Water Supply Contractors:
Layne & Bowler, Inc.

Water Testing Apparatus:
Hellige, Inc.
LaMotte Chemical Products Co.
Wallace & Tiernan Co., Inc.

Water Treatment Plants:
American Well Works
Chain Belt Co.
Chicago Bridge & Iron Co.
Dorr Co.
Everson Mfg. Corp.
Infilco, Inc.
Liquid Conditioning Corp.
Pittsburgh-Des Moines Steel Co.
Stuart Corp.
Walker Process Equipment, Inc.
Wallace & Tiernan Co., Inc.
Welsbach Corp., Ozone Processes Div.

Well Acidizing:
Dowell Incorporated

Well Drilling Contractors:
Layne & Bowler, Inc.

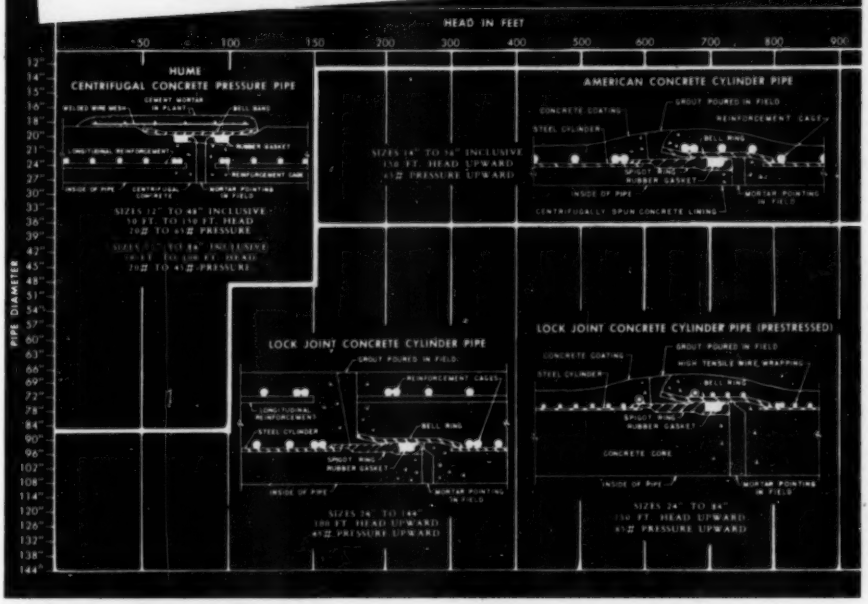
Wrenches, Ratchet:
Dresser Mfg. Div.

Zeolite:
Infilco, Inc.
Liquid Conditioning Corp.
Permutit Co.
Zeolite Chemical Co.

A complete Buyers' Guide to all water works products and services offered by A.W.W.A. Associate Members appears in the 1948 Membership Directory.

In Western States

4 outstanding types of reinforced concrete pressure pipe cover range of water supply line construction



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